

# Monthly Labor Review

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Sixty-ninth Convention of the AFL  
Recent Cost-of-Living Wage Adjustments  
Labor-Supply Aspects of Mobilization  
State Labor Legislation in 1950

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UNITED STATES DEPARTMENT OF LABOR  
*Maurice J. Tobin, Secretary*

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BUREAU OF LABOR STATISTICS

UNITED STATES DEPARTMENT OF LABOR  
MAURICE J. TOBIN, *Secretary*

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BUREAU OF LABOR STATISTICS

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WILL BOWDEN, Chief, Office of Labor Economics

PAUL R. KIRSCHBAUM, Chief, Office of Program Planning

MORRIS WEISS, Special Assistant to the Commissioner



Inquiries should be addressed to  
The Editor, *Monthly Labor Review*  
Bureau of Labor Statistics, Washington 25, D. C.

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# Monthly Labor Review

UNITED STATES DEPARTMENT OF LABOR • BUREAU OF LABOR STATISTICS

LAWRENCE R. KLEIN, *Chief, Office of Publications*

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## This Issue in Brief . . .

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DELEGATES to the Houston convention of the American Federation of Labor reviewed both international and domestic issues affecting labor. Their proceedings are summarized in **SIXTY-NINTH CONVENTION OF THE AFL** (p. 553). On the international questions, the convention reiterated support of the Marshall Plan, again endorsed the President's Point Four Program, and approved a proposal for a permanent UN security force. These decisions came after full reports from AFL's International representatives in Europe and Asia. Evident throughout the convention was the growing role the AFL is playing in international relations. Urged by Labor Secretary Tobin to exercise restraint in wage demands, the convention opposed a wage freeze, but favored over-all controls including those over prices. The Taft-Hartley Act attracted repeated attacks, which were strengthened by Senator Wayne Morse's case-by-case accounts of some of its inequities.

A significant development in collective-bargaining which accompanied the war in Korea and the emergency defense program was the inclusion of automatic cost-of-living or escalator clauses in a number of major contracts. **RECENTLY BARGAINED COST-OF-LIVING WAGE ADJUSTMENTS** (p. 557) indicates that July-September 1950 negotiations have increased the number of workers under contracts containing escalator clauses from about 500,000 to an estimated 800,000. Though such clauses are not novel, interest in them declined after World War II, but revived in May 1948 when General Motors and the United Automobile Workers (CIO) included one in a 2-year agreement. Renegotiation of this contract, retaining the cost-of-living adjustment clause for a 5-year period, was followed by labor and management acceptance of such a device in agreements covering other industries.

Increased defense production and expansion of the armed services raises the question of the adequacy of the United States' supply of labor.

**LABOR-SUPPLY ASPECTS OF MOBILIZATION** (p. 564), a summary of a statement by the Secretary of Labor, assesses the present supply and finds it adequate for the needs of the current defense program. Spot shortages in certain occupations are expected to develop under the current program, but generally it is safe to conclude that manpower will not constitute a bottleneck. Were total mobilization required, however, manpower would represent the most significant limiting factor. Demands would then far exceed the current supply in many critical occupations and extensive training or education would be required. Specifically, these shortages would be likely to occur in the medical profession, in many scientific and engineering fields and for skilled metalworkers, among others. Increases in manpower requirements for the Armed Forces and civilian industry would induce an expansion in the over-all size of the labor force. However, beyond a certain level, such as a 12-million man armed force, further increases in military manpower would force corresponding reductions in civilian labor supply. Numerous factors may affect labor demand and supply under mobilization conditions. To evaluate these and adequately plan for whatever emergency confronts us, the Labor Department and other Federal agencies are coordinating their efforts.

Illustrative of this coordination is the establishment of an Inter-Departmental Committee on Defense Manpower and an Office of Defense Manpower. Their functions, as outlined by the Secretary of Labor, are described in **OFFICE OF DEFENSE MANPOWER IN DEPARTMENT OF LABOR** (p. 575).

Labor standards were amended by the legislatures of 19 States, Puerto Rico, and the Virgin Islands in 1950. The changes made at this year's legislative sessions are reported in **STATE LABOR LEGISLATION IN 1950** (p. 571). These changes affected child-labor, discrimination, and industrial relations statutes.

Union and governmental reaction to increased international tension has resulted in more stringent controls over Communist influence in Australian and New Zealand unions. The evolution and scope of these restrictions are outlined in **ACTION AGAINST COMMUNISM IN AUSTRALIAN AND NEW ZEALAND UNIONS** (p. 580).

# The Labor Month in Review

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DEVELOPMENTS of immediate interest to labor during October included the national election campaigns, appointments to several important labor defense posts in the Federal Government, and a number of changes in union structure. Labor participated actively in the national election campaigns and in the main was unsuccessful in electing its endorsed candidates. This was especially evidenced in the Ohio senatorial contest where the candidate, backed by a joint committee of AFL, CIO, and independent unions, was decisively defeated. Reaffiliation of the International Association of Machinists with the AFL was recommended by the union's executive council. A new union was organized during the month, formed by the merger of three left-wing unions.

Inflationary pressures continued to dominate the economy during October, although some slackening in demand was evidenced in certain consumer areas. Demand for such commodities as nonferrous metals, steel, rubber, and cotton continued extremely strong and prices of many industrial products rose during the month. Retail sales, however, were slower than during the past few months. Higher taxes and stricter consumer credit regulations appeared to be restraining consumer buying in spite of continued wage increases and greater employment.

## Rapid Spread of Wage Raises

The number of wage adjustments reported during October reflected a continuing spread of the current wage movement to many industries in all parts of the country. In manufacturing, wage raises have been reported for large numbers of textile, apparel, metal, aircraft, brick, glass, rubber, and paper workers. New settlements have also been reached in such nonmanufacturing industries as construction, shipping, and public utilities.

Many of the workers affected by the new contracts have received their second adjustment

within recent months. A substantial number of the wage adjustments were granted before the expiration of existing contracts. Features of many of the contracts were guarantees of additional increases in 1951 or later without regard to price developments, while a number provide for cost-of-living adjustments.

Several major industries have thus far not agreed to wage increases. Negotiations between the leading steel producers and the United Steelworkers of America (CIO) began during the month in advance of the date provided in the contract. All the major railroad labor organizations, representing more than 1 million railroad workers, have indicated that they will request increased wages for their members. Telephone workers, however, were unable to induce the companies of the Bell system to reopen contracts on wages, the Communications Workers of America (CIO) stated during October. In two telephone-bargaining situations, however, Michigan Bell and Western Electric Co., offers by the companies were turned down by the union. A Nation-wide telephone strike was set for November 9 by the union, arising out of the dispute with the Western Electric Co., the Bell system's manufacturing subsidiary.

## Industrial Prices Still Rising

Inflationary pressures were still being reflected in price rises during October, particularly for industrial commodities. Prices of many metals and metal products continued to set new records. Chemical prices rose steadily over the month, while textiles and fuel products also showed continuous, but smaller gains. A decline in price of certain types of lumber, however, brought the average for building materials prices slightly lower during the month.

Seasonal factors were primarily responsible for the movement in agricultural prices in the course of the month. Wholesale food prices also declined somewhat, principally because of lower prices for pork.

The slight stability during recent months in the average of retail food prices, primarily seasonal, has helped minimize increases in the consumers' price index. The most recent survey of retail food prices, between September 15 and October 15, indicates an increase of only 0.2 percent. Be-

cause of the seasonal factors, it is not expected that the average of consumers' prices will change significantly during the immediate future.

### Unemployment Drops

A drop of 400,000 in the number of unemployed reduced unemployment to 1.9 million, near the postwar low point, according to the Census Bureau's monthly report on the labor force. Unemployment in October amounted to only 3 percent of the total civilian labor force. The tightening labor market was also noted by the Labor Department's Bureau of Employment Security in its September survey of major labor markets. Between July and September, unemployment dropped in 147 of 150 labor-market areas and employment rose in nearly all of them, the Bureau reported.

Nonagricultural employment declined slightly, to 52.3 million, from September to October. Return of many young people to school and speed-up in inductions into the Armed Forces more than offset the addition of workers from the ranks of the unemployed. Farm employment advanced contra-seasonally to 8.5 million.

### Labor Movement Developments

Recommendation that the International Association of Machinists reaffiliate with the American Federation of Labor was made unanimously by the executive council of the IAM during October. The Machinists have withdrawn from the AFL on two occasions, once in 1943 and again in 1945, principally because of jurisdictional disputes with the United Brotherhood of Carpenters (AFL). IAM president Al J. Hayes indicated that all differences with the AFL had been settled, including a restoration of the jurisdiction held by the IAM prior to its withdrawal.

Constitutional changes streamlining the entire structure and method of operation of the Communications Workers of America (CIO), representing 300,000 telephone workers in the United States and Canada, were approved by a membership referendum during the month. Two levels of policymaking—the international and the local—are set up by the new constitution. The union's present 38 divisions are to be dissolved. Eleven district administrative units are to be activated

and approximately 1,400 locals will be chartered. Future bargaining is to be under international union direction, and all future contracts will be placed in the name of CWA.

The Distributive, Processing, and Office Workers of America was formed during the month by the merger of three left-wing unions. Two of the unions—the Food, Tobacco and Agricultural Workers and the United Office and Professional Workers—were recently expelled from the CIO for following Communist policies. The third union, the Distributive Workers Union, was established less than a year ago. It was organized at the time primarily by left-wing department store locals which had left the Retail, Wholesale and Department Store Union of the CIO in protest against orders to file non-Communist affidavits.

### Labor and Defense

Cyrus S. Ching, Director of the Federal Mediation and Conciliation Service, was named by the President to head the Wage Stabilization Board. Mr. Ching will take a leave of absence from his post with the FMCS to serve for a limited time to get the new Board organized. The Wage Stabilization Board and the office of the Director of Price Stabilization comprise the two segments of the Office of Economic Stabilization, established by Executive order under the Defense Production Act. The Board will be composed of three representatives each from labor and the public. Mr. Ching will be one of the public members. It will be the Board's function to make recommendations concerning the planning and development of wage-stabilization policies.

To head the newly created Office of Defense Manpower in the Labor Department, Secretary of Labor Tobin appointed Robert C. Goodwin, Director of the Department's Bureau of Employment Security. The Office of Defense Manpower was established by Secretary Tobin to coordinate the work being done in the Labor Department under functions assigned by the President's Executive Order 10161.

George Weaver, CIO official, was appointed special assistant on manpower problems to W. Stuart Symington, chairman of the National Security Resources Board. Earlier, Mr. Symington had appointed Everett Kassalow and Eli Oliver as special assistants on labor matters.

# Sixty-ninth Convention of the AFL

Role of AFL in international affairs,  
its position on the national defense program,  
and efforts towards greater labor unity, with their background

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INTERNATIONAL LABOR AFFAIRS, the national defense program, peace with the CIO and IAM, the Taft-Hartley law, and labor's political action were the major issues confronting the delegates to the sixty-ninth American Federation of Labor annual convention held in Houston, September 17-23, 1950. In conformity with the new constitution, the convention was held a month earlier than usual. A number of the affiliated unions and the Building Trades Department had to postpone their own conventions, and thus were not in a position to submit their recommendations or resolutions for action by the AFL.

## AFL and International Labor

By far the most significant development emphasized repeatedly at the convention was the role of the AFL in international relations and particularly in the struggle of international labor against Communism. The extent, intensity, and the many-sided activities of the AFL in the field of international labor were depicted before the delegates in numerous reports of AFL representatives abroad and speeches by the official fraternal delegates from Great Britain, and Canada, and by visiting guests from labor movements throughout the world: The International Federation of Free Trade Unions (ICFTU), the Inter-American Federation of Workers (CIT), The International Free Trade Union Center in Exile, and the national union organizations of Italy, New Zealand, Australia, France, and India.

In addition to whole-hearted cooperation with the ECA, the United Nations and its various social and economic agencies, and its leadership in

establishing and maintaining the ICFTU and its program, the AFL maintains offices and international representatives, often referred to as labor's roving ambassadors, in several countries in Europe, in India, and in South America. Their functions are to keep fully informed on economic, social, and labor developments abroad and to provide moral, organizational, and often also financial aid to free trade-unions in their efforts to raise the standards of living of workers and to combat Communist influence.

These functions and activities in international labor relations are directed by the Free Trade Union Committee of the AFL under the active leadership of President William Green, Vice Presidents Matthew Woll and David Dubinsky, and Secretary-Treasurer George Meany. The Committee also publishes a bulletin monthly in English, French, German, and Italian for distribution to thousands of workers in every part of the world.

Most of the reports and speeches on international labor problems stressed the struggle against Communist aggression. The following summaries of reports by International Representative Irving Brown, reflecting the labor situation in Europe, and by Gordon W. Chapman, Secretary-Treasurer of the American Federation of State, County, and Municipal Employees Union, who represented the AFL on the ICFTU Mission to Asia, typify AFL concern with this problem.

*European Situation.* Mr. Brown described the definite improvement in economic conditions in Western Europe, the accomplishments of the Marshall Plan and the ICFTU, and the unifica-

tion of the non-Communist trade-unions in Italy. In spite of the fact that Western Europe now has nearly 25 million trade-unionists on the side of democracy, they are "threatened from within by a hard-core Communist minority ready to engage in sabotage, partisan warfare, and all forms of betrayal in defense of a foreign power." He then outlined a seven-point program of action which in his opinion could meet the challenge of Communists in the Old World. It includes:

1. American mobilization, industrially and militarily . . . so that the world sees and knows once again that America is the Arsenal of Democracy.
2. The sending of fully armed troops, planes and ships to help in the common defense of Western Europe under the Atlantic Pact. . . .
3. Increased military aid to Western Europe so that the individual nations can achieve the creation of an armed force able to withstand aggression. . . .
4. Defense of Western Europe could be made more secure if Greece, Turkey, and Yugoslavia could reach an agreement on a mutual defense pact against aggression. . . .
5. A clear and forthright statement of what we are fighting for—i. e. not only to defend freedom but to enlarge its scope . . . so that the masses can utilize this freedom to improve their standards and living conditions.
6. Strengthening of the idea of a united Europe—political, economic, and military—in which the Germans participate and play an equal role along with other nations.
7. The first line of defense of Western Europe is in Berlin; and the first line of the ideological offensive against totalitarianism in Eastern Europe is also in Berlin.

*Labor Conditions in Asia.* The ICFTU Mission to Southeast Asia, "to promote the development of a regional organization of free trade-unions in that part of the world within the framework of the ICFTU," consisted of representatives of the AFL, CIO, and several European trade-union centers. The delegation visited 15 countries (Pakistan, India, Burma, Hong Kong, Japan, Formosa, Thailand, Philippine Islands, Indonesia, Singapore, Ceylon, Indo-China and Iran) and submitted its official findings to the ICFTU. In his report to the AFL convention, Mr. Chapman said, among other things: "You can only fully realize the degree of poverty that exists [in those countries] by seeing it. In the same manner it is difficult for these people to realize the progress that has been made in western countries, the standard of living that our workers enjoy as a result of effective free trade unionism. It is difficult for them to understand the independence that our unions in the western world enjoy."

He also outlined some of the major obstacles which prevent Asiatic labor from establishing strong and free trade-unions to attain economic freedom for Asiatic workers. Some of these obstacles are: (1) an appalling degree of illiteracy, which in some countries is as high as 90 percent; (2) policies of existing governments which are not conducive, and in many cases are actually hostile, to the formation of free unions; (3) strong opposition by employers, particularly by "foreign employers" who represent European and American capital in such important industries as rubber, tea, and oil.

He asked how workers in the eastern world could look kindly to America when one American concern instructed its administrative staff to develop recreational activities for the workers so they would be too physically tired to attend union meetings. Such actions are an open invitation to turn to communism, he contended.

#### Emergency Wage and Price Policy

The problems of the national defense emergency were presented to the delegates by W. Averell Harriman, Special Assistant to the President of the United States, and by Secretary of Labor Maurice J. Tobin. Secretary Tobin stressed particularly the danger of inflation facing American labor and the need of self-restraint in asking for wage increases, and urged the purchase of savings bonds as a means of preventing the bidding up of prices for consumer goods:

"In my opinion, the danger of inflation is the major danger which faces American labor at home today. The problems which you will have to face, as the leaders of American labor during this period are not easy. The degree of self-restraint which the President has asked you to exercise is not going to be popular; it is always far easier to let the other fellow do it. But it is crystal-clear that such self-restraint affords the best chance to avoid the drastic over-all price and wage controls of a kind that we had during World War II—the kind that we would prefer not to go back to. If we do have to impose these controls, they may be with us for a long time. . . .

"Further wage increases combined with longer hours at overtime will add to the great volume of purchasing power which is already bidding up the prices of goods. We must face the unpleasant

fact that purchasing power which helps to support and expand our economy in normal peacetime helps only to inflate prices in an abnormal defense situation such as we find ourselves in at the present time. For this reason we must expect not only to buy many more war bonds and to save in other ways, but also to face the unpleasant fact of restraining upward general wage movement."

The convention went on record favoring the immediate application of selective price controls on key defense commodities. In the opinion of the resolutions committee such price control need not necessarily be accompanied by wage controls.<sup>1</sup> However, if some form of wage stabilization is undertaken as a part of the over-all stabilization policy, the AFL went on record as emphatically rejecting "any rigid formulas which would tie changes in wages with changes in the cost of living. There must always be room for wage changes to correct interplant and interindustry inequities and for wage increases based on increased productivity."

### Labor Unity

*Peace With CIO.* On April 4, 1950, President Philip Murray of the CIO addressed a letter to the AFL, IAM, UMW, and to the Independent Railroad Brotherhoods emphasizing the need for a united labor movement in the United States. The AFL executive council authorized President Green to appoint a negotiations committee to meet with the CIO with a view of developing plans of permanent unity with the CIO.

The first meeting of the joint committee of the AFL and the CIO occurred on July 25 and the following understanding was reached: "(1) We will continue to work together in the field of international relations through the International Confederation of Free Trade Unions, as a means of strengthening democracy throughout the world; (2) we will work together in the fields of legislative and political action, to insure the continued strengthening of our American democratic institutions."

At a second meeting it was agreed to appoint a subcommittee to recommend a program on the ways and means of merging the two federations organically. The entire negotiations committee was to meet again on August 4 in Chicago, but due

to the illness of the CIO President, Mr. Murray, these meetings had to be postponed.

In recommending approval of the step already taken by the executive council for unity with CIO, the resolutions committee expressed hope that complete unity between the AFL and the CIO might be consummated in the very near future. In pointing out the completely harmonious and successful cooperation of the two federations in the international field and in domestic legislative and political activities, the committee concluded: "Surely if we can find accommodations to live in peace and harmony and unite in the legislative and political field, like accommodations and understandings may be perfected to unite our forces into an organic body in the field of economic activities here at home."

*Reaffiliation of IAM.* Negotiations for reaffiliation of the International Association of Machinists have progressed considerably further than with the CIO. On April 7, 1950, President Green, by direction of the AFL Executive Council, wrote to President Al J. Hayes of the Machinists union to the effect that "any ruling or decision by a department of the AFL affecting an organization not affiliated with the department, will not be binding on the nonaffiliated organization." The executive council further directed that the president of the AFL "shall advise those who make inquiry of this action officially taken by the AFL."

This letter thus removed the two major points at issue which twice caused the IAM to disaffiliate from the AFL in the course of a jurisdictional dispute with a member of the Building and Construction Trades Department of the AFL.

President Hayes and Secretary-Treasurer Peterson of the IAM wrote to President Green, on July 13 that the Executive Council of the IAM had decided to recommend reaffiliation with the AFL in a membership referendum.

### The Taft-Hartley Law

Beginning with the opening remarks of President Green and throughout the entire week, the convention continued to express determined opposition of the AFL to this law. But the most forceful critique of the law was made by Senator Wayne A. Morse who addressed the special and separate

session of the AFL Labor's League for Political Education. Senator Morse gave a case-by-case account of how the Taft-Hartley Act is being used to deprive workers of their established rights to join and belong to a union and to bargain collectively with their employers through representatives of their own choosing. Senator Morse stated in part:

"In the old days, before the Norris-LaGuardia Act and the Wagner Act the accepted technique for destroying a union was the importation of strikebreakers. Although that technique is still used, and in certain situations is highly practicable under the Taft-Hartley Act, it is no longer necessary except as a last resort. Instead of plug-uglies, the smart antiunion employer now retains a lawyer . . . . The union asked for bargaining conferences. Management retained a skillful lawyer who smilingly agreed to meet with the union. Many meetings between the union and the company lawyer ensued. The company lawyer resorted sometimes to postponement and sometimes to delay, but always in the end he was willing to meet. General discussions of the whole situation were had; details of the projected agreement were haggled over; the meaning of words was explored and re-explored; and the negotiations continued unabated like a sort of cyclone of words. But no agreement was reached. No agreement on a single item was ever reached. Days passed;

weeks passed; months passed . . . . The results are: there is no union in the plant now; there are no union organizers; and the employees have, either gently or violently, been deprived of their rights."

#### AFL Department for Education

The 1949 convention instructed the executive council to explore the desirability of establishing within the AFL a department of education which would take over, and if necessary, expand the work of the Workers Education Bureau. At its August 1950 meeting in Chicago, the executive council voted to have the AFL take over the WEB and to set it up in Washington as a full-fledged education department of the AFL. The officers of the WEB met in Houston during the week of the convention and took formal action to dissolve the 29-year-old WEB and to transfer all of its activities, including its library, copyright files, office equipment, and other assets, to the AFL.

—BORIS STERN

Division of Industrial Relations

<sup>1</sup> The resolutions committee found authority for this opinion in section 402 (f) of the Defense Production Act of 1950 which reads as follows: "The President, in or by any regulation or order, may provide exemptions for any materials or services, or transactions therein, or types of employment, with respect to which he finds that (1) such exemption is necessary to promote the national defense; or (2) it is unnecessary that ceilings be applicable to such materials or services, or transactions therein, or that compensation for such types of employment be stabilized, in order to effectuate the purposes of this title."

# Recently Bargained Cost-of-Living Wage Adjustments

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INCLUSION of automatic cost-of-living or escalator clauses in a number of important contracts was one of the most significant collective-bargaining developments that accompanied the Korean crisis and the emergency defense program. Prior to the recent negotiations, about a half million workers were known to have been covered by escalator clauses. The July-September 1950 additions are estimated to have raised the total number of workers covered to upwards of 800,000.

Escalator clauses, which require that specified wage adjustments be made according to changes in the cost of living are not, however, new or unusual. The gearing of wage changes to price changes was practiced to some degree during and immediately after World War I and again prior to World War II when prices began to rise rapidly.

A Bureau of Labor Statistics survey of 2,754 agreements in effect in early 1950 revealed that less than 2 percent called for escalator wage-adjustment clauses. More than 100 agreements permitted reopening of contracts upon significant cost-of-living changes but left the determination of the amount of wage adjustments to the bargaining parties. Over half (55 percent) of the 2,754 contracts surveyed provided for either interim wage adjustments or renegotiation of wages during the life of the agreements.

## Recent Bargaining Developments

Interest in cost-of-living plans again rose with the introduction of an escalator clause in the 2-year agreement signed in May 1948 between General Motors Corp. and the United Automobile Workers (CIO). The agreement included a new feature by providing for regular annual increases

of 3 cents an hour to raise the real earnings of General Motors workers for higher productivity and thereby improving their standard of living. However, the GM-UAW formula was followed by very few such contracts in the two succeeding years. This is partly due to the fact that organized labor has generally avoided negotiating agreements gearing wages to the cost of living. Unions have also been reluctant to agree to devices calling for downward adjustments.

However, spurred by the economic uncertainties generated by the Korean conflict, and particularly by accelerated price rises and fears of shortages of skilled workers, a number of unions and employers recently agreed to adjust wages to changes in living costs. Widespread attention was focused upon such wage-adjustment procedures when the General Motors Corp. and the UAW-CIO on May 29, 1950, renegotiated their 1948 contract for a precedent-making 5-year term (retaining their escalator clause and increasing from 3 cents to 4 cents an hour the "annual improvement" wage increases).

Adoption of escalator or automatic cost-of-living clauses was most extensive in the 3 months, July through September 1950, in the automobile industry. By the end of September, all the large automobile manufacturers had agreed to wage increases of varying amounts. Most of them also included in their contracts cost-of-living wage-adjustment clauses based upon the movement of the Consumers' Price Index of the Bureau of Labor Statistics. They followed the same procedure as that provided in the General Motors agreement; namely, a 1-cent an hour adjustment in wages for each 1.14-point change in the CPI. These agreements included Ford, Packard, Studebaker, Nash, and Kaiser-Frazer. (In contrast, the Chrysler Corp. and the Hudson Motor Car Co. reopened their contracts and granted 10-cent-an-hour general wage increases but did not adopt escalator cost-of-living clauses.)

Other employers and unions negotiated automatic cost-of-living clauses differing in some detail from the UAW-GM pattern. For example, the Switchmen's Union of North America (AFL) and the Railroad Yardmasters of America (AFL) each ended their long-standing disputes with groups of railroads in September by agreements which included a provision for cost-of-

living adjustments. The formula adopted was 1 cent an hour for each 1-point rise (or decline) in the Consumers' Price Index beyond the base index figure of 174.0, agreed upon by both parties.

The AFL Building Trades Council in New York City and the Building Trades Employers Association renewed their stabilization agreement in early July. It provides for adjusting wages upon a broader movement in the cost of living than the Switchmen's agreement. Under the building-trades agreement, if the cost-of-living index for New York City rises by more than 10 percent between June 1950 and October 1951, "the percentage in excess of 10 percent shall be multiplied by the hourly rate and then corrected to the nearest multiple of 5 cents." The resulting amount is then to be added to the hourly rates of building-trades employees for the period January 1, 1952, to June 30, 1953.

#### Types of Escalator Clauses

After union and employer negotiators have agreed in principle upon providing current wage-adjustments in accordance with changes in living costs, several major questions remain. A formula or procedure best suited to their needs must be devised. Considerations to be taken into account include:

- (1) Choice of the cost-of-living index to be used;
- (2) Selection of a base point from which changes in the cost of living are to be computed;
- (3) Determination of the relationship between the amount of wage adjustment and degree of change in the cost-of-living index;
- (4) Consideration of minimum and maximum limits to the wage changes;
- (5) Frequency of wage adjustments; and
- (6) Procedure to be followed if method of computing index is revised.

Each of these points is discussed below.

(1) Although a few agreements do not clearly identify the cost-of-living index to be used in adjusting wages, most of them specifically designate the Bureau of Labor Statistics' Consumers' Price Index. Either the monthly index for the United States as a whole, or indexes available monthly for 10 cities, and once every 3 months for 24 additional cities on a rotating quarterly cycle may be used. Escalator clauses are most frequently based on the national index, since

many agreements cover establishments in cities for which no index is available, or, like the GM agreement, cover plants scattered throughout the United States.

(2) Usually the index for the month in which the agreement becomes effective, or some other specified month, is taken as the base point to compute the amount of subsequent wage adjustments. In agreements in which the escalator clause is continued from a previous contract, the base point may remain unchanged.

Some agreements provide for an averaging of the index figures in establishing the base, to avoid the undue influence of seasonal fluctuations in prices. For example, the Consumers' Price Indexes published four times a year for a particular city may be averaged; or the national CPI published monthly may be averaged over a period of months.

(3) Many recent agreements follow the General Motors formula providing for wage changes in a precise ratio to relatively slight changes in the cost-of-living index (e. g., quarterly adjustments in wages at the rate of 1 cent for every 1.14-point change in the index<sup>1</sup>). Additional examples of this type of escalator clause include the following: (a) 50 cents per week change for each 1-point change in index; (b) wages changed by same percentage as change in index; and (c) 1 cent an hour change in wages for each full point of change in index.

In some clauses, the change in the index must be relatively large before wages are adjusted. Illustrative of these are the following: (a) a 1-percent change in wages for each 5-point change in index; (b) 5 cents an hour for each 4.25-point change in index; and (c) wages to be adjusted by the same percentage as the change in the index, but no adjustment to occur until after the index has changed by a specified amount—e. g., 5 or 10 percent.

In some agreements, the relationship between wages and the cost of living is not a simple ratio of cents per hour to points of index change. For example, wage increases in one agreement are in the same proportion as increases in the cost of living, but no wage increase is to be made unless the cost of living rises at least 3 percent. Wages are not reduced unless the cost of living decreases by at least 5 percent. A 5-percent reduction in wages is provided if the cost-of-living decrease is

5 to 9 percent, and if the cost-of-living decrease is 10 percent or more, the amount of wage decrease is subject to negotiation between the parties.

(4) Escalator provisions may put a "floor," a "ceiling," or both, on the amount of the automatic wage adjustments. For example, an agreement may specify that no wage adjustment is to be made because of fluctuations of the index below or above a specified figure. Other escalator provisions establish a floor on wage decreases by specifying that wage rates presently in effect may not be reduced by operation of the escalator clause. More commonly, as in the GM agreement, the lower limit on wage decreases is defined by prohibiting further wage reductions if the index falls below a designated point. Some agreements which fix upper or lower limits on automatic wage adjustments provide for reopening of wage negotiations if these limits are reached.

In agreements which do not establish an absolute limit on wage adjustments, a limit is sometimes placed on the amount of the adjustment which can be made within a specified period. For example, "no wage increase resulting from this agreement for any 6-month period shall be in excess of 10 percent."

(5) Since the primary purpose of escalator clauses is to compensate workers for current changes in the prices of the goods and services they must buy, cost-of-living adjustments are made relatively frequently. Most generally they are made once each 3 months, as in the General Motors agreement; among other agreements, adjustments may be made every month or every other month.

However, some agreements provide for only one adjustment during the term of the agreement—usually these are 2-year agreements which require a cost-of-living adjustment at the end of the first

year. The General Electric agreement with the IUE (CIO), on the other hand, provides for a cost-of-living adjustment 6 months after the effective date of the agreement, if the Consumers' Price Index has risen by at least 1.14 points. The amount of wage increase is 1 cent an hour for each 1.14-point rise in the index. The increase, if any, is added permanently to the employees' rates.

(6) "The continuance of the cost-of-living allowance is dependent upon the availability of the official monthly BLS Consumers' Price Index in its present form and calculated on the same basis as the Index for April 1950, unless otherwise agreed upon by the parties," under the GM and several other agreements. These agreements further provide that no adjustments are to be made because of any revision which the Bureau of Labor Statistics may make in index figures after they have been published. One agreement specifies that "should the Bureau of Labor Statistics change the manner of computing the index during the life of this agreement, the parties are to meet and agree upon a conversion factor which will fairly adjust the presently agreed upon base to a comparable figure in line with the new method."

Under the railroad agreement with the Switchmen's Union (AFL), if the Consumers' Price Index is so revised as to affect the "direct comparability" of the revised index with the index used in the agreement, special action is provided. The Bureau of Labor Statistics "shall be requested to furnish a conversion factor" designed to adjust the new index to the one in use.

—NELSON M. BORTZ AND JAMES C. NIX

Division of Industrial Relations

<sup>1</sup> The 1-cent to 1.14-index-point ratio was obtained by dividing the average hourly rate of GM workers (approximately \$1.485 in the spring of 1948) into the National Consumers' Price Index for April 15, 1948 (109.3).

## *Applications of Working-Life Tables to Employment Outlook*

RATES OF labor-force entry and separation developed in the Tables of Working Life serve as a basis for a number of significant findings on labor-force growth and on occupational replacement needs for men workers. Thus, by application of these rates to the labor-force and population data of the 1940 Census, it is estimated that an average of 400,000 new jobs for men were required annually during the decade 1940-50, to accommodate the "natural" growth of the male labor force. Moreover, almost two-thirds of the 11 million young men who began their work careers during this decade were replacing older men who died or retired.

Differences in age distribution of workers employed in various occupations are a significant factor in prospective replacement needs. In occupations with a large proportion of older workers in 1940, such as carpenters, tailors and furriers, and blacksmiths, forgemen and hammermen, estimated replacement needs for the decade 1940-50 ranged from one-fourth to one-third of total employment. In contrast, labor-force separation rates of 10 percent or less were estimated for welders, truck drivers, and linemen—fields in which relatively few older men were employed. Differences of this type may be significant in evaluating long-term job prospects in various occupations. However, allowance must be made too, for job openings arising out of other forms of labor turn-over, as well as for the effect of occupational differences in mortality and retirement rates, where these can be determined.

### **Rate of Labor-Force Growth**

In the absence of direct statistical reports, the Tables of Working Life provide a means of esti-

mating the number of men who enter on work careers each year, or who cease working due to death or retirement. To illustrate this application, estimates of male labor-force entries and separations during the decade 1940-50 were prepared on the basis of the 1947 abridged table for total males.<sup>1</sup> This table was selected, in preference to the table for 1940, as more representative of the experience during the decade as a whole.

In estimating the number of men entering the labor force during the 1940-50 decade, 10-year accession rates for 5-year age groups were computed from the 1947 abridged table. Application of these rates to the male population in each age group in 1940 yields an estimate of about 11,190,000 young men who began their work careers during the past decade, or an average of about 1.1 million annually<sup>2</sup> (table 1). This estimate does not allow for labor-force entries due to immigration, and is a "net" figure in the sense that it does not include the much greater volume of shifting between worker and nonworker status of seasonal and intermittent workers.

TABLE 1.—*Estimated accessions to the male labor force, 1940-50<sup>1</sup>*

| Age in 1940                 | Male population 1940 (in thousands) | Accessions, 1940-50            |                       |
|-----------------------------|-------------------------------------|--------------------------------|-----------------------|
|                             |                                     | Rate (per 1,000 in population) | Number (in thousands) |
| Total, ages 0-29 years..... | 34,040                              | .....                          | 11,190                |
| 0-4 years.....              | 5,350                               | 38.2                           | 200                   |
| 5-9 years.....              | 5,420                               | 544.8                          | 2,950                 |
| 10-14 years.....            | 5,950                               | 848.3                          | 5,050                 |
| 15-19 years.....            | 6,180                               | 409.1                          | 2,530                 |
| 20-24 years.....            | 5,690                               | 73.2                           | 420                   |
| 25-29 years.....            | 5,450                               | 6.8                            | 40                    |

<sup>1</sup> Based on accession rates for total males, adapted from the abridged table for 1947.

Similar estimates of the number of men who were separated from the labor force during the decade 1940-50 were computed on the basis of the mortality and retirement patterns prevailing in 1947. As shown in table 2, an estimated 7.2 million men, or 17.5 percent of the male labor force in April 1940, left the labor force because of death or retirement during the past decade.<sup>3</sup> Of these, 4.2 million workers, or about three-fifths, were separated by death, and the remainder retired from gainful activity owing to disability, receipt of pensions, or other causes. The esti-

mated median age at separation was 62.2 years for all men workers separated during the decade, as compared with a median age of 58.1 years for workers separated because of death and of 66.1 years for retirements.

The estimate of separations, like that for labor-force entries, applies to a "closed group," i. e., the male labor force in 1940. No allowance was made, for example, for separations of male immigrant workers who entered the country after 1940 or those men who withdrew from the labor force and subsequently resumed year-round work activity.

TABLE 2.—Estimated separations from the male labor force, 1940-50<sup>1</sup>

| Age in<br>1940                   | Male<br>labor<br>force,<br>1940 <sup>2</sup><br>(in<br>thous-<br>ands) | Total separa-<br>tions 1940-50              |  | Deaths  |                                       | Retirements   |                                       |
|----------------------------------|--|---|--|---|---------------------------------------|---|---------------------------------------|
|                                  |  | Rate<br>(per<br>1,000 in<br>labor<br>force) | Num-<br>ber <sup>3</sup><br>(in<br>thous-<br>ands) | Prob-<br>ability<br>(per<br>1,000 in<br>labor<br>force) | Num-<br>ber<br>(in<br>thous-<br>ands) | Prob-<br>ability<br>(per<br>1,000 in<br>labor<br>force) | Num-<br>ber<br>(in<br>thous-<br>ands) |
| Total: 14 years<br>and over..... | 40,910   |   | 7,160  |   | 4,230                                 |   | 2,930                                 |
| 14-19 years.....                 | 2,840  | 20.2  | 60   | 20.2  | 60                                    |   |                                       |
| 20-24 years.....                 | 5,080  | 23.8  | 120  | 23.8  | 120                                   |   |                                       |
| 25-29 years.....                 | 6,220  | 35.0  | 170  | 28.9  | 160                                   | 4.1   | 20                                    |
| 30-34 years.....                 | 4,910  | 52.5  | 260  | 40.5  | 200                                   | 12.0  | 60                                    |
| 35-39 years.....                 | 4,610  | 75.9  | 360  | 59.9  | 250                                   | 19.0  | 50                                    |
| 40-44 years.....                 | 4,240  | 119.5                                       | 510  | 90.2  | 380                                   | 26.7  | 130                                   |
| 45-49 years.....                 | 3,980  | 174.2                                       | 600  | 132.3   | 530                                   | 41.9  | 170                                   |
| 50-54 years.....                 | 3,480  | 220.0                                       | 870  | 184.9   | 640                                   | 65.1  | 220                                   |
| 55-59 years.....                 | 2,700  | 418.3                                       | 1,240  | 236.6   | 640                                   | 221.7   | 600                                   |
| 60-64 years.....                 | 1,940  | 678.5                                       | 1,320  | 364.8   | 510                                   | 413.7   | 800                                   |
| 65 years and<br>over.....        | 1,910  | 814.1                                       | 1,560  | 378.1   | 720                                   | 436.0   | 830                                   |

<sup>1</sup> Based on separation rates for total males, adapted from abridged table for 1947.

<sup>2</sup> Estimates are comparable to current MRLF. Adapted from Census re-leases P-50, No. 2 and P-44, No. 12.

<sup>3</sup> Total separations do not necessarily add to separate estimates of deaths and retirements, due to rounding.

The difference between the estimates of male labor-force entries and separations represents the estimated "natural" growth of the male labor force over the decade, 1940-50, i. e., the increase expected because of the changing size and age composition of the male population, exclusive of immigration. As the following tabulation shows, a natural increase of 4.0 million men workers, or about 10 percent, is estimated for the decade 1940-50. This means that, on the average, about 400,000 additional jobs for men workers were required annually during the decade, simply to allow for labor-force growth resulting from the increase of the resident male population of working age.

|                                       | Number (in thousands) |
|---------------------------------------|-----------------------|
| Male labor force, April 1940.....     | 40,910                |
| Accessions, 1940-50.....              | 11,190                |
| Separations, 1940-50.....             | 7,160                 |
| Natural growth:                       |                       |
| Number.....                           | 4,030                 |
| Percent of 1940 male labor force..... | 9.9                   |

The natural rate of labor-force growth differs, of course, from the actual growth in the labor force from year to year, primarily because it does not allow for the effects of immigration and for year-to-year changes in the rates of labor-force participation. It is, however, a significant measure because, over a period of years, the rate of natural growth of the labor force is largely determined by the age structure of the population and is not readily amenable to control by social and economic influences.

### Occupational Separation Rates

From a somewhat different perspective, the above comparisons of estimated labor-force entries and separations indicate that almost two-thirds of the 11 million young men who began their work careers during the decade 1940-50 were replacing older men who died or retired. This emphasizes the importance, for vocational guidance and related purposes, of determining the prospective replacement needs in various fields of employment, as one factor affecting relative job opportunities.

Despite the significance of this factor in appraising long-term employment prospects, relatively little direct information is available on the number of workers leaving different occupations each year. However, given the age-specific rates of labor-force separation from the Tables of Working Life and an age distribution of men by occupation from Census or other sources, it is possible to prepare indirect estimates of the probable number of men who will be separated from each occupation because of death or retirement, over a period of years.

As an illustration of this method, the estimated number and rate of labor-force separations in the period 1940-50 were computed for 33 selected occupations by applying 10-year separation rates, based on the 1947 abridged table, to the 1940 age distribution of experienced men workers in these occupations. These calculations disclose a wide range in the resulting rates of labor-force separa-

tion, by occupation (table 3). Thus, as compared with an average decennial separation rate of 17.5 percent for all men workers, 33 percent of the blacksmiths, forgemen, and hammermen, and about 30 percent of the tailors and furriers, were expected to stop working in the decade 1940-50. In contrast, decennial labor-force separation rates of only about 10 percent were estimated for welders, truck drivers and linemen, occupational fields which had a predominantly young labor force in 1940.

TABLE 3.—*Estimated separations due to death or retirement from selected occupations, 1940-50*

| Occupation  | Number<br>of men<br>in exper-<br>ienced<br>labor<br>force<br>1940 <sup>1</sup> | Separations<br>due to death or<br>retirement             |             |
|---|--|--|-------------|
|   |  | Rate<br>(per<br>1,000<br>in labor<br>force) <sup>2</sup> | Num-<br>ber |
| Blacksmiths, forgemen, and hammermen.....                         | 86,900   | 330  | 28,700      |
| Tailors and furriers.....   | 118,100  | 250  | 35,500      |
| Carpenters.....   | 795,900  | 201  | 159,700     |
| Masons, tile setters, and stonecutters.....                       | 155,400  | 233  | 36,200      |
| Cabinetmakers and pattern makers.....                             | 91,100   | 229  | 20,900      |
| Telegraph operators.....  | 34,100   | 228  | 7,800       |
| Barbers, beauticians, and manicurists.....                        | 222,000  | 218  | 48,400      |
| Boilermakers.....   | 32,900   | 217  | 7,100       |
| Painters (construction), paperhangers, and<br>glaziers.....       | 475,200  | 209  | 99,300      |
| Plasterers and cement finishers.....                              | 79,200   | 205  | 16,200      |
| Stationary engineers, crane-men, and hoistmen.....                | 319,300  | 199  | 63,500      |
| Plumbers and gas and steam fitters.....                           | 210,100  | 197  | 41,400      |
| Molders, metal.....   | 87,200   | 188  | 16,400      |
| College instructors, professors, and presidents.....              | 55,700   | 182  | 10,100      |
| Machinists, millwrights, and toolmakers.....                      | 655,900  | 176  | 115,000     |
| Structural and ornamental metalworkers.....                       | 38,400   | 169  | 6,500       |
| Power-station operators.....                                      | 21,700   | 169  | 3,700       |
| Compositors and typesetters.....                                  | 166,300  | 168  | 27,900      |
| Printing craftsmen, excluding compositors and<br>typesetters..... | 65,500   | 166  | 10,900      |
| Roofers and sheet-metal workers.....                              | 123,800  | 166  | 20,600      |
| Bakers.....   | 133,500  | 155  | 20,700      |
| Cooks, except private family.....                                 | 203,200  | 153  | 31,100      |
| Bookkeepers, accountants, cashiers, ticket<br>agents.....         | 493,800  | 150  | 74,100      |
| Electricians.....   | 226,300  | 144  | 32,600      |
| Rollers and roll hands, metal.....                                | 30,300   | 134  | 4,100       |
| Painters, excluding construction and main-<br>tenance.....        | 93,800   | 131  | 12,200      |
| Mechanics and repairmen, and loom fixers.....                     | 969,600  | 131  | 127,000     |
| Waiters and bartenders.....                                       | 323,900  | 129  | 41,800      |
| Designers and draftsmen.....                                      | 101,400  | 125  | 12,700      |
| Chemists, assayers, and metallurgists.....                        | 58,300   | 114  | 6,600       |
| Line- and service-men, telegraph, telephone,<br>and power.....    | 109,800  | 113  | 12,400      |
| Chaufeurs, truck drivers, and deliverymen.....                    | 1,758,000  | 94   | 165,300     |
| Welders and flame-cutters.....                                    | 137,000  | 93   | 12,700      |

<sup>1</sup> Includes employed men classified by current occupation and men seeking work or on public employment work classified by usual occupation. Source: U. S. Bureau of the Census, Series P-14, No. 13 (1943).

<sup>2</sup> In computing occupational separation rates, age distributions by occupation were based on data for employed men and men seeking work. Source: Sixteenth Census of the United States, 1940, Population, The Labor Force, (Sample Statistics), Occupational Characteristics, table 1.

Clearly, other factors being equal, occupations with the greatest number of prospective losses because of death or retirement will offer the greatest job opportunities. For example, it is significant that the estimated number of labor-

force separations of plumbers during 1940-50 was about a fourth greater than among electricians, although electricians slightly outnumbered plumbers in 1940. This means that, if employment trends were similar for the two occupations, relatively more jobs would have opened up for plumbers than for electricians over the decade, owing to the higher replacement needs.

For purposes of appraising job prospects, replacement needs arising out of deaths and retirements must be considered in conjunction with all other factors affecting the demand for labor in various fields of work. In such industries as coal mining, the presence of a large proportion of older workers has been due to a long-term employment downturn. This is also true of certain occupations, such as telegraphy, which have been subject to technological displacement.

However, in other fields of employment, relatively high replacement needs may appear in combination with a rising trend of employment. Thus, the building trades inherited a shortage of younger workers from the depression decade of the 1930's, when few apprentices were trained. In the 1940-50 decade, the high level of construction activity and the relatively heavy losses because of death and retirement combined to create a very favorable employment outlook. A somewhat similar situation existed in certain branches of the apparel industry, which in the past were staffed largely by immigrants and which, in recent years, have become increasingly aware of the need for attracting new workers.

A number of other important considerations entering into the use of estimated separation rates, based on experience for the labor force as a whole, for occupational outlook analysis are discussed below.

**Occupational-Life v. Working-Life Expectancy.** In certain occupational fields, including most of the professions and skilled trades, deaths and labor-force retirements account for the greatest proportion of separations among experienced men workers. Relatively few men in such occupations are likely to shift to unrelated types of work, after having invested a substantial period in training and education for their chosen field, except under extreme pressure (such as wartime mobilization or protracted unemployment) or unusual personal circumstances. In such occupations, the indi-

vidual's working-life expectancy in the occupation may not differ significantly from his total work-life expectancy; therefore, the estimated rates of labor-force separation provide a significant guide to prospective replacement needs. These, moreover, are generally the occupations in which vocational guidance and planning are most important.

In other occupations, deaths and retirements account for only a small proportion of total separations of men workers. This is particularly true of many unskilled jobs and certain "entry" occupations, such as office boys or shipping clerks, for which turn-over is characteristically high, because the entrants tend to move on to more skilled and responsible jobs. It is typical, too, of workers in certain highly skilled occupations, such as athletes, dancers, and air-line pilots, in which the individual's occupational-life expectancy is much shorter than his total working-life expectancy because of exacting physical standards. Professional athletes and ballet dancers, for example, are considered "old" at 40. In such occupations, obviously, estimates of death or retirement rates based on experience for the labor force as a whole will not be very helpful in determining replacement needs.

**Mortality Differentials.** Very little current information is available on the extent of differences in mortality between occupations, for men of the same age. Earlier studies, both in the United States and abroad, revealed a pronounced and fairly consistent pattern of differentials in mortality rates among men classified in broad occupational groups, reflecting differences in living standards and in their way of life. Farm workers, in general, had much lower mortality rates than non-farm workers. Among nonfarm occupations, the lowest age-specific mortality rates were among white-collar workers, such as proprietors, professional persons, and clerks; the highest mortality rates were among the unskilled and semiskilled manual groups.<sup>4</sup>

Some notable differences also appeared within the broad occupational groups, since some types of work are more hazardous and involve more "wear and tear" on the human organism than others. For example, relatively high mortality rates were found among manual workers in the hazardous mining and lumbering occupations. Similarly, because of their strenuous life and constant ex-

posure to disease, physicians experienced mortality rates considerably higher than other professional workers. On the other hand, the ministry and teaching were among the occupations with the lowest age-specific death rates.

If reliable mortality data are available for an occupation which indicate significant differentials as compared with the broader population group, of course it is desirable to substitute the specific occupational death rates for those in the life tables. However, it is likely that the absence of separate mortality information will not seriously impair the usefulness of the estimates in the large majority of occupations.

**Retirement Differentials.** Even in the absence of any comprehensive statistical data, it is apparent that significant differentials in age-specific retirement rates are likely to exist among occupations. Differences in the nature of the work, the degree of exposure to disabilities, the coverage and provisions of pension plans, the extent of opportunities for self-employment, and many other factors may influence the retirement patterns prevailing in different occupations. The use of over-all retirement rates is, therefore, in no sense a substitute for a detailed analysis of the actual retirement patterns prevailing in individual occupations, where such information can be developed. They do, however, provide a useful point of departure for estimating the effect of differences in age distribution among the various occupations upon the prospective replacement needs due to retirement.

—HAROLD WOOL

Division of Manpower and Productivity

<sup>1</sup> See Trends in The Pattern of Working Life, *Monthly Labor Review*, September 1950.

<sup>2</sup> On the basis of the 1940 abridged table, the estimated number of male entries into the labor force during the decade 1940-50 was 11,160,000, which is not significantly different from the estimate of 11,190,000 derived from the 1947 table. However, the distribution of male labor force entrants by age in 1940, based on the 1940 abridged tables, did show a substantially larger proportion of prospective entrants from the age group 15-19 years, and correspondingly fewer entrants from the age groups 5-9 years, than shown in table I.

<sup>3</sup> On the basis of the 1940 abridged table, about 7,850,000 men workers would have been expected to leave the labor force between 1940 and 1950, because of death or retirement, or about 10 percent more than the estimate based on the 1947 table.

<sup>4</sup> For statistics on differential mortality by occupation, see in particular: Jessamine Whitney, *Death Rates by Occupation*, National Tuberculosis Association, 1934, and *The Registrar General's Decennial Supplement, England and Wales, 1931, Part IIa, Occupational Mortality*, H. M. Stationery Office, 1938.

# Summaries of Studies and Reports

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## Labor-Supply Aspects of Mobilization<sup>1</sup>

EXPANSION of our armed forces and of armaments production, now under way, has raised a number of critical questions about the Nation's manpower resources. In an economy already operating at peak levels of production and employment, how much "give" is there in the labor force to meet the demands of the current emergency? Is there danger of running into serious manpower bottlenecks which may impede the defense effort? And shifting to the broader problems of all-out mobilization, what are the manpower limitations which must be borne in mind, in planning the over-all size of the armed forces, and the relationship between the armed forces and the supporting civilian economy?

During the current phase of partial mobilization no over-all manpower shortage is likely. But spot shortages can be expected in some areas and in some skills.

However, in the event of all-out mobilization, manpower will be among the critical limiting factors. In order to determine the most efficient balance between the military and civilian labor force, basic information on the material requirements of the armed forces, and many related facts are required.

Finally, because the Nation's strength lies in the skill and productivity of its labor force, rather than in sheer numbers, careful plans must be made to conserve the resources of skilled manpower, and training programs must be developed at once to increase the number of workers in the critical skills and professions.

## Current Manpower Situation

In August 1950, the labor force totaled over 66 million, with 1½ million in the armed forces and almost 65 million in the civilian labor force. Civilian employment, at 62½ million, was at an all-time peak, and unemployment, at 2½ million, was down about 2 million from last February and only about a half million above the level in the boom year 1948. There were numerous other indications of a relatively tight labor supply situation. For example, among the major labor-market areas, the number classified as "A", i. e., with tight or balanced labor supply, increased from 12 in May to 19 in July, whereas those in the "E" or "distressed" category dropped from 11 to 4.

Moreover, this very high level of labor demand still reflected mainly production for the civilian economy, i. e., for automobiles, houses, and a great variety of other civilian goods and services. Yet the expanded defense program calls for an increase in the size of the armed forces of about 1½ million in the coming fiscal year and, at the same time, for a sharp expansion in production of aircraft, tanks, and other types of ordnance and supplies for these armed forces.

There is still room for a reduction in the number of unemployed from the August level of 2½ million. In large part, however, manpower requirements will be met by a shift of some of the 62 million employed workers and by recruiting additional workers into the labor force.

## Manpower for Current Program

The composition of the labor force is much more favorable now than in 1940. In August 1950, about 13½ million more workers were actually on

the job than in August 1940, when unemployment totaled almost 9 million. Moreover, the industrial and occupational distribution of these employed workers is much more favorable from the standpoint of reconversion to war production than it was in 1940. Thus, over 6 million workers in our labor force are employed in the pivotal metalworking industries, as compared with less than 4 million in 1940. These, broadly speaking, are the industries which will carry out the bulk of the defense contracts. At the same time, great increases have occurred in the non-manufacturing segment of the economy and particularly in such fields as trade, services, and construction. Many workers in the latter industries acquired valuable experience and skills in munitions production during World War II and could be counted upon to help staff the expanding defense industries.

The most important source of manpower for staffing defense plants therefore will consist of workers now on the job. In some industries, these workers will automatically become available for defense work, to the extent that plants shift all or part of their operations from automobiles to tanks, or from television sets to electronic equipment. The pinch of material shortages in civilian type industries, such as construction, will have the effect of making additional experienced workers available for expanding munitions plants. Moreover, many workers employed in trade and services, or engaged in small marginal businesses, are likely to be attracted by the relatively higher wage structure in the expanding munitions industries.

An increase in the hours of work could also add substantially to the potential labor supply for defense production. The average workweek in manufacturing industry, currently about 41 hours, is about 4½ hours below the peak attained during World War II, when industry generally was on a 6-day week. In manufacturing alone, an increase of 2 hours in the average workweek of production workers from current levels would represent the equivalent in employment of more than a half million workers at the current workweek.

Furthermore, substantial additions to the current labor force can be expected in the coming year. Population growth alone will yield a net increase in the labor force of over a half million

workers in 1951. Moreover, experience during and since World War II indicates that the labor force is flexible and, within certain limits, can be increased as the demand for labor increases. Of the 112 million persons aged 14 years and over, currently about 45 million—largely housewives, students, and retired persons—are not in the labor force.

During World War II, large numbers of "extra" workers, about 8 million by the end of the war, were recruited from these sources to meet the needs of all-out mobilization. Under the boom conditions prevailing currently, some of this reserve, perhaps about 2 million, has already been tapped and—to that extent—our labor reserves are somewhat more limited. However, there are still available in the population considerable numbers of housewives, students, and older persons who can be drawn into the labor market under the stimulus of national need coupled with attractive job openings at good wages. These reserves should prove more than adequate to prevent any over-all manpower shortage under a defense program of current dimensions.

At the same time, it is likely that spot shortages will develop in particular occupations, areas, and industries. Local employment services are already reporting shortages of key metalworkers, such as tool and die makers and machinists. These shortages are generally not impeding current production, but in some instances may slow down the rate of expansion.

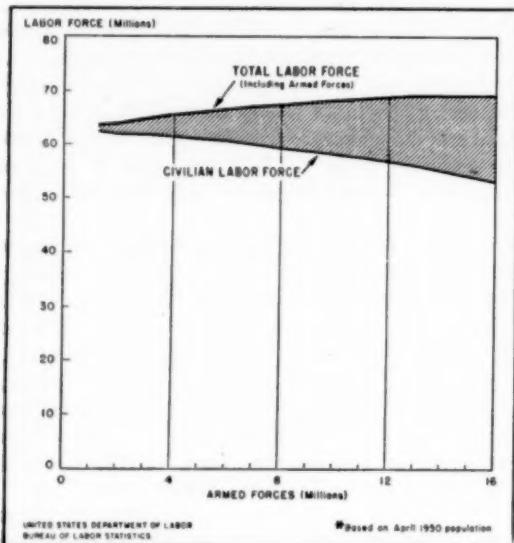
Such shortages are almost inevitable when production in particular industries and areas is being stepped up rapidly. They tend to be aggravated, too, by the tendency of employers to hire ahead of actual needs when they foresee a tightening labor supply situation. It is to conserve highly skilled manpower in these critical fields that the Department of Labor has prepared a list of critical occupations for the guidance of the Defense Establishment in deferring reserve personnel.

Despite the special recruitment problems which may face the Nation in the next 12 months, it is safe to conclude that manpower will not constitute a primary bottleneck in the current defense program. If we shift our vantage point, however, to the problem of all-out mobilization, manpower would represent the most significant limiting factor.

### Manpower for All-Out Mobilization

From World War II experience, previously referred to, it is clear that many persons outside of the labor force can in fact be recruited in an emergency. If the same degree of labor-force participation is attained as the maximum reached in World War II, the labor force based on the current population would total about 69 million persons. This would represent an increase of 5 to 6 million over the actual April 1950 total labor force and of about 2½ million over the April 1945 peak. From this labor force would be recruited both the members of the armed forces and workers for munitions production and essential civilian industries. This is, of course, not the outside limit of our labor-force potential, but this figure could not be increased by more than a few million except for very short periods of time or at a heavy cost chargeable to the future.

#### Hypothetical Wartime Labor Force\* in Relation to Size of Armed Forces



What a labor force of 69 million persons might lack in absolute numbers, it would make up in productivity, skills, and in the highly-developed industrial machine to which it can be applied. From this standpoint, the United States is particularly fortunate because its labor force has been

almost fully employed during the past decade. In meeting the needs of a wartime economy, and in reconversion to peacetime, its labor force has displayed a high degree of mobility, both occupationally and geographically. In the postwar period, too, the GI Bill of Rights has enabled about 7 million veterans to undertake specialized training in schools and colleges as well as on the job, and this has contributed significantly to our present reservoir of skills.

The country cannot, however, afford to be complacent about the adequacy of its supply of highly skilled and technical workers. Under all-out mobilization, demands would far exceed the current supply in many critical occupations and extensive training or education would be required. Included are the medical profession, many scientific and engineering experts and most of the skilled metalworking crafts, among others. Thus the development of programs, designed to increase the number of future doctors and scientists or the number of apprentices in skilled trades, is as fundamental to mobilization planning as the existing programs for stockpiling critical materials.

Our heavy stake in maintaining and increasing the quality of the labor force also means that great care must be given to the proper allocation of workers between the armed forces and civilian jobs, and among major segments of the civilian economy. To illustrate one pivotal problem which would be faced in the event of all-out mobilization, a chart has been prepared which indicates the potential size of the civilian labor force under various levels of mobilization. For this purpose the peak World War II rates of labor-force participation were used in developing the maximum labor-force potential. As already noted this peak probably can be adjusted upward in the event of extreme emergency. The present figures will suffice, however, to point out the problem to be faced.

As the strength of the armed forces rises from an initial level of about 1½ million to 5 million, the total labor force could expand fairly rapidly, though at a somewhat slower rate. Thus, relatively little squeeze on the civilian labor force would result. As the size of the military increases to about 12 million (roughly corresponding to the peak World War II level) the chart indicates that there would be some further slow expansion in the over-all labor force. However, the civilian labor

force would be reduced by about 5 million. Beyond this level, further additions to the armed forces would be possible only by corresponding reductions in the number of civilian workers.

Obviously a point would be reached on this curve beyond which the armed forces could be expanded further only at the expense of the munitions industries or of essential civilian activities. To go beyond this point would mean the risk of seriously impairing an over-all war effort. Just where that point would occur would depend on a host of factors, some of which cannot be pinned down with any precision, with the information currently available.

For example, it would be necessary to know the kind of war the country might be called upon to fight and, in some detail, the matériel require-

ments of the armed forces. Then there would be the time factor—how rapidly the armed forces would have to expand to their peak strength. Another factor would be the extent to which civilians would be required to tighten their belts.

Additional variables on the supply side would require careful examination, for example, the extent to which productivity could be increased above World War II levels and the workweek of the labor force could be expanded. These, and many related factors, are being carefully studied by the staff of the Department of Labor and by other Federal agencies concerned.

<sup>1</sup> Summary of statement by Maurice J. Tobin, Secretary of Labor, to the Committee on Mobilization Policy of the National Security Resources Board, September 6, 1950.

## Injury Rates in Manufacturing, Second Quarter, 1950

WORK INJURIES in manufacturing reversed the usual seasonal trend during the second quarter of 1950, increasing not only in absolute number, but also in the rate per million man-hours worked.

The average injury-frequency rate<sup>1</sup> for all manufacturing industries increased 4 percent from the first to the second quarter of 1950. In each of the preceding 5 years the average for the second quarter has been lower than that for the first. The average rates for May and June were higher than for any other month so far this year. In contrast, the rates for these months have been among the lowest recorded during the first half of each of the previous 5 years.

Despite the increase in injury rates from the low point reached in the fourth quarter of 1949, the average rate for the second quarter of 1950 was still slightly below that for the same period of last year, and the average for the first 6 months of this year was about 7 percent below that for the corresponding period of 1949. The amounts of

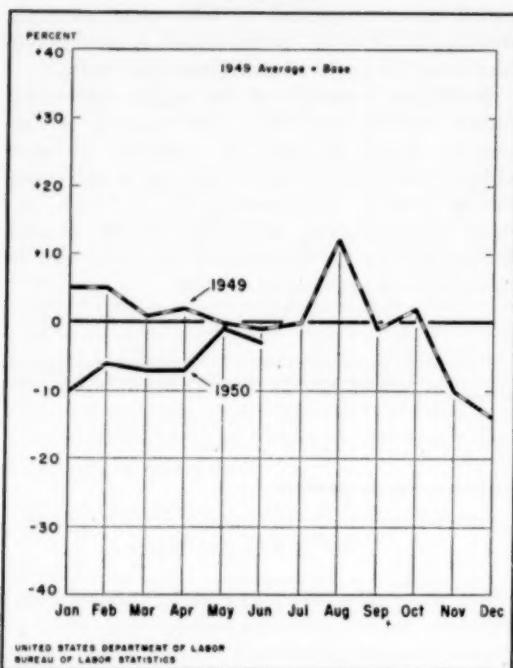
these decreases, however, were less than for any previous year-to-year comparison since 1945-46. If the upward movement noted in the second quarter continues through the remainder of the year, the annual average for 1950 may well be above that for 1949. The following tabulation shows the percent change in average injury-frequency rates for all manufacturing between successive periods:

*Percent change in injury-frequency rates, all manufacturing*

|           | <i>From first<br/>to second<br/>quarter</i> | <i>Between<br/>second quarter<br/>of successive<br/>years</i> | <i>Between<br/>first 6 months<br/>of successive<br/>years</i> | <i>Between<br/>final annual<br/>for successive<br/>years</i> |
|-----------|---|---|---|--|
| 1943..... | +1  | -----   | -----   | -----  |
| 1944..... | +6  | -5  | -8  | -8   |
| 1945..... | -2  | -15   | -11   | +1   |
| 1946..... | -1  | +7  | +6  | +7   |
| 1947..... | -2  | -13   | -12   | -6   |
| 1948..... | -4  | -14   | -13   | -9   |
| 1949..... | -5  | -20   | -19   | -13  |
| 1950..... | +4  | -2  | -7  | -----  |

Approximately 87,500 workers in manufacturing establishments were disabled for one or more days because of on-the-job injuries during the second quarter of 1950. This estimate was 9 percent above that for the first quarter of 1950 and 4 per-

**Percent Change in Injury-Frequency Rates in Manufacturing**



cent over the second quarter of 1949. Increased exposure to industrial hazards, arising from expanded employment and longer hours of work per week, as well as the higher injury-frequency rate accounted for the greater number of injuries.

On the basis of information available at the end of June, 300 of the workers who were injured during the second quarter died as a result of their injuries and about 5,000 others suffered some physical impairment which will disable them to some extent for the remainder of their lives. Later information as to the outcome of other injuries, which appeared to involve only temporary disability at the time the reports were prepared, may require an upward revision in the estimates of these more serious cases.

Because information concerning the final outcome of many of these injuries is still incomplete, no estimate of total cost in terms of lost time or money can be made at this time. The total number of days of disability during the second quarter of 1950, however, may be conservatively esti-

mated as about 1,800,000. The value of wage losses alone amounted to approximately 18 million dollars—a loss paid partly by employers in the form of workmen's compensation and partly absorbed by the injured workers in the form of reduced income during the period of disability. This estimate, however, covers only a portion of the total cost which will accrue from these injuries. It includes no allowance for the continuing economic losses arising from the many deaths and permanent impairments, or for hospital, medical, and other costs incidental to the treatment of these injuries.

Despite the general upward trend in injury-frequency rates from the first to the second quarter, 34 of the 121 individual industries for which

TABLE 1.—*Industries showing principal changes in injury-frequency rates, first and second quarters, 1950, and first 6 months of 1949 and 1950*

| Industry                                       | Injury-frequency rates |        |                   |                |      |                   |  |
|--|------------------------|--------|-------------------|----------------|------|-------------------|--|
|  | Quarterly, 1950        |        |                   | First 6 months |      |                   |  |
|  | First                  | Second | Points difference | 1949           | 1950 | Points difference |  |
| Increases of 5 points or more                  |                        |        |                   |                |      |                   |  |
| First to second quarter, 1950:                 |                        |        |                   |                |      |                   |  |
| Leather  | 12.9                   | 23.5   | +10.6             | 18.4           | 18.0 | -0.4              |  |
| Ornamental metalwork                           | 12.9                   | 21.8   | +8.9              | 18.7           | 17.6 | -1.1              |  |
| Planing mills                                  | 35.1                   | 43.2   | +8.1              | 37.6           | 40.3 | +2.7              |  |
| Wooden containers                              | 30.2                   | 38.2   | +8.0              | 36.0           | 34.4 | -1.6              |  |
| Other products, structures                     | 27.3                   | 34.7   | +7.4              | 29.7           | 31.7 | +2.0              |  |
| Pottery and related products                   | 11.5                   | 16.8   | +5.3              | 16.6           | 14.2 | -2.4              |  |
| First 6 months, 1949, to first 6 months, 1950: |                        |        |                   |                |      |                   |  |
| Batteries                                      | 15.5                   | 16.5   | +1.0              | 8.5            | 16.2 | +7.7              |  |
| Steel barrels, kegs, drums, and packages       | (1)                    | (1)    | (1)               | 7.7            | 14.9 | +7.2              |  |
| Sawmills                                       | 63.7                   | 58.3   | -5.4              | 54.2           | 60.6 | +6.4              |  |

|   |      |      |      |      |      |       |  |
|---|------|------|------|------|------|-------|--|
| Decreases of 5 points or more                                       |      |      |      |      |      |       |  |
| First to second quarter, 1950:                                      |      |      |      |      |      |       |  |
| Plywood mills   | 35.4 | 28.7 | -6.7 | 29.3 | 31.2 | +1.9  |  |
| Saw and planing mills, integrated                                   | 40.5 | 34.9 | -5.6 | 42.7 | 37.9 | -4.8  |  |
| Sawmills  | 63.7 | 58.3 | -5.4 | 54.2 | 60.6 | +6.4  |  |
| Furniture, metal  | 22.1 | 17.1 | -5.0 | 16.1 | 19.7 | +3.6  |  |
| First 6 months, 1949, to first 6 months, 1950:                      |      |      |      |      |      |       |  |
| Bookbinding   | (1)  | (1)  | (1)  | 18.3 | 7.3  | -11.0 |  |
| Iron and steel products, not elsewhere classified                   | (1)  | (1)  | (1)  | 20.8 | 10.7 | -10.1 |  |
| General machine shops   | 14.7 | 12.7 | -2.0 | 23.1 | 13.4 | -9.7  |  |
| Elevators, escalators, and conveyors                                | 7.8  | 7.3  | -.5  | 16.8 | 7.5  | -9.3  |  |
| Automotive electrical equipment                                     | 6.0  | 5.4  | -.6  | 14.1 | 5.6  | -8.5  |  |
| Veneer mills  | (1)  | (1)  | (1)  | 37.7 | 31.9 | -5.8  |  |
| Trimmings and fabricated textile products, not elsewhere classified | 7.1  | 6.9  | -.2  | 12.6 | 7.2  | -5.4  |  |
| Foundries, steel  | 17.0 | 20.8 | +3.8 | 24.3 | 19.1 | -5.2  |  |
| Miscellaneous wood products, not elsewhere classified               | 20.1 | 19.7 | -.4  | 25.2 | 20.1 | -5.1  |  |
| Boatbuilding and repairing  | (1)  | 33.8 | (1)  | 35.6 | 30.5 | -5.1  |  |

<sup>1</sup> Insufficient data.

TABLE 2.—*Industrial injury-frequency rates<sup>1</sup> for selected manufacturing industries, second quarter, 1950, with cumulative rates for 1950*

| Industry  | Second quarter, 1950                 |                     |      |      | Frequency rate                             |   |        |
|---|--------------------------------------|---------------------|------|------|--|---|--------|
|   | Number<br>of es-<br>tablis-<br>ments | Frequency rate for— |      |      | January-<br>June 1950<br>(cum-<br>ulative) | 1949:<br>Annual<br>(final) <sup>2</sup> |        |
|   |                                      | April               | May  | June | Second<br>quarter                          |   |        |
| Apparel:  |                                      |                     |      |      |  |   |        |
| Clothing, men's and boys'   | 346                                  | 4.1                 | 6.2  | 6.3  | 5.6  | 6.3                                     | 6.0    |
| Clothing, women's and children's                                    | 293                                  | 4.8                 | 4.1  | 3.4  | 4.1  | 4.0                                     | 4.1    |
| Apparel and accessories, not elsewhere classified                   | 41                                   | (*)                 | (*)  | (*)  | (*)  | 4.3                                     | 6.9    |
| Trimmings and fabricated textile products, not elsewhere classified | 99                                   | 8.5                 | 5.4  | 7.1  | 6.9  | 7.2                                     | 12.7   |
| Chemicals:  |                                      |                     |      |      |  |   |        |
| Compressed and liquefied gases <sup>4</sup>                         | 21                                   | (*)                 | (*)  | (*)  | * 5.7                                      | * 8.7                                   | * 14.0 |
| Drugs, toiletries, and insecticides                                 | 72                                   | 11.0                | 8.5  | 6.3  | 8.6  | 8.6                                     | 9.6    |
| Explosives  | 36                                   | 2.2                 | 3.6  | 6.4  | 4.1  | 3.8                                     | 1.8    |
| Fertilizers   | 73                                   | (*)                 | (*)  | (*)  | 23.1                                       | 23.3                                    | 21.6   |
| Industrial chemicals  | 203                                  | 6.5                 | 5.6  | 5.8  | 6.0  | 6.9                                     | 8.7    |
| Paints, varnishes, and colors                                       | 78                                   | 8.2                 | 6.6  | 9.7  | 9.2  | 8.8                                     | 11.3   |
| Plastics materials, except rubber                                   | 25                                   | 2.0                 | 6.7  | 4.7  | 4.5  | 5.1                                     | 4.8    |
| Soap and glycerin   | 41                                   | 3.9                 | 4.0  | 6.4  | 4.8  | 4.8                                     | 7.1    |
| Synthetic rubber  | 14                                   | (*)                 | (*)  | (*)  | 1.1  | 1.7                                     | 2.3    |
| Synthetic textile fibers  | 17                                   | , 8                 | 1.1  | 1.9  | 1.3  | 1.4                                     | 3.6    |
| Chemical products, not elsewhere classified                         | 62                                   | 6.1                 | 12.0 | 5.1  | 7.8  | 8.6                                     | 10.3   |
| Electrical equipment:   |                                      |                     |      |      |  |   |        |
| Automotive electrical equipment                                     | 30                                   | 5.7                 | 4.3  | 6.3  | 5.4  | 5.6                                     | 9.5    |
| Batteries   | 25                                   | 15.0                | 13.8 | 20.4 | 16.5                                       | 16.2                                    | 15.0   |
| Communication and signaling equipment, except radio                 | 24                                   | 5.1                 | 3.3  | 3.9  | 4.1  | 4.2                                     | 4.7    |
| Electrical appliances   | 32                                   | 11.6                | 9.7  | 8.9  | 10.1                                       | 10.0                                    | 8.9    |
| Electrical equipment for industrial use                             | 262                                  | 6.3                 | 6.3  | 5.6  | 6.1  | 6.0                                     | 6.9    |
| Electric lamps (bulbs)  | 19                                   | 1.3                 | 1.5  | , 9  | 1.2  | 2.5                                     | 3.7    |
| Insulated wire and cable  | 29                                   | 13.5                | 10.2 | 7.9  | 10.4                                       | 10.6                                    | 11.5   |
| Radios and phonographs  | 100                                  | 5.3                 | 6.5  | 6.1  | 6.0  | 5.5                                     | 4.4    |
| Electrical equipment, not elsewhere classified                      | 17                                   | 11.6                | 10.9 | 8.9  | 10.4                                       | 8.8                                     | 5.7    |
| Food:   |                                      |                     |      |      |  |   |        |
| Baking  | 79                                   | 9.2                 | 11.3 | 8.3  | 9.5  | 10.3                                    | 14.8   |
| Bottling, soft drinks <sup>5</sup>                                  | 90                                   | 14.4                | 17.3 | 30.3 | * 22.3                                     | * 20.7                                  | 28.7   |
| Breweries   | 34                                   | 25.5                | 24.1 | 20.5 | 23.3                                       | 23.8                                    | 28.4   |
| Canning and preserving  | 78                                   | 8.5                 | 12.8 | 15.0 | 15.6                                       | 11.3                                    | 20.8   |
| Confectionery   | 23                                   | 8.4                 | 8.9  | 6.3  | 7.9  | 9.1                                     | 12.8   |
| Dairy products  | 135                                  | 12.1                | 16.9 | 17.7 | 15.7                                       | 16.6                                    | 18.2   |
| Distilleries  | 51                                   | 3.9                 | 7.3  | 5.2  | 5.5  | 5.5                                     | 8.6    |
| Flour, feed, and grain-mill products                                | 131                                  | 9.3                 | 5.9  | 8.2  | 7.8  | 9.3                                     | 18.1   |
| Slaughtering and meat packing                                       | 318                                  | 14.1                | 14.5 | 14.8 | 14.8                                       | 14.7                                    | 23.2   |
| Sugar, beet <sup>6</sup>  | 13                                   | (*)                 | (*)  | (*)  | (*)  | * 38.8                                  | 33.6   |
| Sugar, cane <sup>6</sup>  | 10                                   | 16.4                | 20.7 | 17.3 | * 18.2                                     | * 18.8                                  | 23.4   |
| Winery <sup>7</sup>   | 22                                   | (*)                 | (*)  | (*)  | * 17.6                                     | * 16.6                                  | 26.0   |
| Food products, not elsewhere classified                             | 70                                   | 8.2                 | 15.5 | 9.7  | 11.1                                       | 10.7                                    | 17.0   |
| Furniture and lumber products:                                      |                                      |                     |      |      |  |   |        |
| Furniture, metal  | 32                                   | 10.2                | 18.7 | 12.9 | 17.1                                       | 19.7                                    | 15.2   |
| Furniture, wood   | 127                                  | 19.9                | 20.6 | 20.3 | 20.3                                       | 20.0                                    | 22.6   |
| Mattresses and bedsprings   | 99                                   | 12.3                | 12.3 | 12.7 | 12.4                                       | 13.0                                    | 18.5   |
| Office, store, and restaurant fixtures                              | 46                                   | (*)                 | (*)  | (*)  | 16.5                                       | 17.2                                    | 17.1   |
| Wooden containers   | 203                                  | 33.4                | 37.3 | 43.3 | 38.2                                       | 34.4                                    | 35.6   |
| Miscellaneous wood products, not elsewhere classified               | 144                                  | 17.6                | 20.8 | 20.4 | 19.7                                       | 20.1                                    | 26.4   |
| Iron and steel:   |                                      |                     |      |      |  |   |        |
| Holes, nuts, washers, and rivets                                    | 46                                   | 15.7                | 15.6 | 15.6 | 15.6                                       | 14.5                                    | 13.9   |
| Cold-finished steel   | 34                                   | 15.2                | 12.7 | 24.1 | 15.2                                       | 17.4                                    | 14.3   |
| Cutlery and edge tools  | 30                                   | 15.8                | 17.7 | 15.9 | 15.7                                       | 16.2                                    | 14.0   |
| Fabricated structural steel   | 192                                  | 11.1                | 17.7 | 16.3 | 17.0                                       | 17.2                                    | 22.2   |
| Forgings, iron and steel  | 114                                  | 14.9                | 15.6 | 16.3 | 16.7                                       | 15.9                                    | 18.3   |
| Foundries, iron   | 34                                   | 27.2                | 28.5 | 27.1 | 27.6                                       | 27.6                                    | 29.0   |
| Foundries, steel  | 106                                  | 17.7                | 21.5 | 22.7 | 20.8                                       | 19.1                                    | 22.1   |
| Hardware  | 54                                   | 10.5                | 11.1 | 11.8 | 11.2                                       | 10.7                                    | 11.3   |
| Heating equipment, not elsewhere classified                         | 79                                   | 20.8                | 20.2 | 21.1 | 20.7                                       | 19.3                                    | 21.5   |
| Iron and steel  | 150                                  | 5.9                 | 6.0  | 5.9  | 5.9  | 5.7                                     | 6.8    |
| Metal coating and engraving   | 67                                   | 29.6                | 18.7 | 24.3 | 24.0                                       | 22.6                                    | 24.0   |
| Ornamental metal work   | 44                                   | 25.8                | 21.3 | 19.1 | 21.8                                       | 17.6                                    | 21.2   |
| Pipe fabrication and boiler-shop products                           | 112                                  | 16.3                | 21.6 | 16.6 | 18.1                                       | 17.9                                    | 25.1   |
| Plumbers' supplies  | 48                                   | 15.0                | 16.5 | 16.7 | 15.7                                       | 15.1                                    | 16.2   |
| Screw-machine products  | 95                                   | 14.9                | 12.7 | 11.4 | 13.0                                       | 14.1                                    | 15.6   |
| Sheet-metal work  | 77                                   | 13.4                | 19.6 | 21.4 | 18.3                                       | 16.5                                    | 21.9   |
| Stamped and pressed metal products                                  | 236                                  | 14.5                | 14.3 | 17.0 | 15.3                                       | 14.1                                    | 14.0   |
| Steam fittings and apparatus  | 43                                   | 16.0                | 11.5 | 17.3 | 15.0                                       | 12.6                                    | 19.1   |
| Steel barrels, kegs, drums, and packages                            | 16                                   | (*)                 | (*)  | (*)  | (*)  | 14.9                                    | 13.5   |
| Steel springs   | 15                                   | 11.4                | 16.9 | 6.1  | 11.3                                       | 11.3                                    | 13.6   |
| Tin cans and other tinware  | 15                                   | 10.4                | 13.3 | 17.3 | 13.7                                       | 12.8                                    | 12.2   |
| Tools, except edge tools  | 55                                   | 13.6                | 19.9 | 14.0 | 15.8                                       | 14.7                                    | 16.9   |
| Wire and wire products  | 141                                  | 14.4                | 15.5 | 15.8 | 15.2                                       | 15.8                                    | 17.2   |
| Wrought pipes, welded and heavy-riveted                             | 17                                   | 5.9                 | 16.2 | 17.0 | 13.2                                       | 14.0                                    | 15.9   |
| Iron and steel products, not elsewhere classified                   | 21                                   | (*)                 | (*)  | (*)  | (*)  | 10.7                                    | 15.3   |
| Leather:  |                                      |                     |      |      |  |   |        |
| Boots and shoes, not rubber   | 254                                  | 6.5                 | 7.5  | 7.2  | 7.1  | 7.6                                     | 7.8    |
| Leather   | 40                                   | 17.5                | 28.6 | 24.0 | 23.5                                       | 18.0                                    | 23.8   |
| Leather products, not elsewhere classified                          | 34                                   | (*)                 | (*)  | (*)  | (*)  | 7.2                                     | 9.7    |

See footnotes at end of table

TABLE 2.—Industrial injury-frequency rates<sup>1</sup> for selected manufacturing industries, second quarter, 1950, with cumulative rates for 1950—Continued

| Industry  | Number<br>of es-<br>tablis-<br>hments | Second quarter, 1950 |      |      |                   | Frequency rate<br>January-<br>June 1950<br>(cum-<br>lative) | 1940:<br>Annual<br>(final) <sup>2</sup> |  |  |
|---|---------------------------------------|----------------------|------|------|-------------------|---|---|--|--|
|   |                                       | Frequency rate for—  |      |      |                   |   |   |  |  |
|   |                                       | April                | May  | June | Second<br>quarter |   |   |  |  |
| Lumber:   |                                       |                      |      |      |                   |   |   |  |  |
| Logging:  | 91                                    | 86.7                 | 86.2 | 82.1 | 84.7              | 86.8  | 92.2                                    |  |  |
| Millwork, structural:   | 221                                   | 22.7                 | 26.7 | 23.1 | 24.2              | 23.6  | 26.2                                    |  |  |
| Planing mills:  | 57                                    | (3)                  | (4)  | (9)  | 43.2              | 40.3  | 38.1                                    |  |  |
| Plywood mills:  | 59                                    | 30.8                 | 28.0 | 27.5 | 28.7              | 31.2  | 31.8                                    |  |  |
| Sawmills:   | 85                                    | 53.7                 | 60.6 | 60.1 | 58.3              | 60.6  | 55.6                                    |  |  |
| Saw and planing mills, integrated:  | 93                                    | 33.4                 | 40.8 | 30.4 | 34.9              | 37.6  | 47.6                                    |  |  |
| Veneer mills:   | 30                                    | (3)                  | (4)  | (9)  | (9)               | 31.9  | 33.4                                    |  |  |
| Machinery, except electric:   |                                       |                      |      |      |                   |   |   |  |  |
| Agricultural machinery and tractors:                                      | 89                                    | 14.3                 | 16.2 | 12.2 | 14.2              | 14.1  | 17.1                                    |  |  |
| Bearings, ball and roller:  | 33                                    | 15.4                 | 8.2  | 16.9 | 13.4              | 12.9  | 10.9                                    |  |  |
| Commercial and household machinery:                                       | 131                                   | 8.4                  | 9.3  | 9.5  | 9.1               | 9.0   | 7.7                                     |  |  |
| Construction and mining machinery:  | 117                                   | 16.0                 | 18.7 | 19.4 | 18.1              | 17.1  | 19.6                                    |  |  |
| Elevators, escalators, and conveyors:                                     | 26                                    | 9.9                  | 9.1  | 3.3  | 7.3               | 7.5   | 20.0                                    |  |  |
| Engines and turbines:   | 50                                    | 9.6                  | 12.3 | 10.4 | 10.8              | 10.7  | 11.4                                    |  |  |
| Food-products machinery:  | 57                                    | 12.0                 | 20.0 | 13.5 | 15.2              | 15.5  | 15.0                                    |  |  |
| General industrial machinery and equipment, not elsewhere classified:     | 191                                   | 13.2                 | 12.5 | 14.8 | 13.5              | 12.8  | 15.3                                    |  |  |
| General machine shops (Jobbing and repair):                               | 125                                   | 14.0                 | 10.4 | 13.9 | 12.7              | 13.4  | 17.0                                    |  |  |
| Mechanical measuring and controlling instruments:                         | 55                                    | 9.2                  | 6.5  | 6.8  | 7.4               | 7.2   | 9.7                                     |  |  |
| Mechanical power-transmission equipment, except ball and roller bearings: | 71                                    | 14.0                 | 17.6 | 17.7 | 16.5              | 14.5  | 16.9                                    |  |  |
| Metalworking machinery:   | 433                                   | 9.5                  | 10.9 | 9.2  | 9.9               | 10.0  | 11.4                                    |  |  |
| Pumps and compressors:  | 84                                    | 12.1                 | 15.4 | 16.4 | 14.7              | 13.9  | 15.2                                    |  |  |
| Special-industry machinery, not elsewhere classified:                     | 140                                   | 15.5                 | 15.0 | 17.7 | 16.1              | 15.5  | 17.6                                    |  |  |
| Textile machinery:  | 26                                    | 9.6                  | 9.1  | 9.2  | 9.3               | 9.9   | 13.6                                    |  |  |
| Nonferrous metals:  |                                       |                      |      |      |                   |   |   |  |  |
| Aluminum and magnesium products:  | 23                                    | 21.4                 | 18.9 | 22.3 | 20.8              | 18.8  | 12.5                                    |  |  |
| Foundries, nonferrous:  | 231                                   | 22.3                 | 17.6 | 22.4 | 20.8              | 20.1  | 22.5                                    |  |  |
| Nonferrous basic shapes and forms:  | 32                                    | 14.7                 | 11.0 | 11.3 | 12.2              | 12.8  | 11.8                                    |  |  |
| Watches, clocks, jewelry, and silverware:                                 | 40                                    | 6.1                  | 7.0  | 4.7  | 5.9               | 6.0   | 5.9                                     |  |  |
| Nonferrous metal products, not elsewhere classified:                      | 94                                    | 16.4                 | 13.5 | 11.9 | 13.8              | 13.9  | 11.9                                    |  |  |
| Ordinance:  |                                       |                      |      |      |                   |   |   |  |  |
| Ordnance and accessories:   | 12                                    | 5.2                  | 9.4  | 2.5  | 5.7               | 5.2   | 6.6                                     |  |  |
| Paper:  |                                       |                      |      |      |                   |   |   |  |  |
| Paper boxes and containers:   | 292                                   | 12.2                 | 15.0 | 18.8 | 15.4              | 15.4  | 16.5                                    |  |  |
| Paper and pulp:   | 366                                   | 13.7                 | 14.4 | 14.0 | 14.0              | 14.7  | 16.4                                    |  |  |
| Paper products, not elsewhere classified:                                 | 49                                    | 13.9                 | 14.1 | 14.0 | 14.0              | 12.8  | 14.6                                    |  |  |
| Printing and publishing:  |                                       |                      |      |      |                   |   |   |  |  |
| Book and job printing:  | 185                                   | 7.1                  | 7.2  | 8.8  | 7.7               | 7.9   | 7.5                                     |  |  |
| Bookbinding:  | 30                                    | (3)                  | (3)  | (3)  | (3)               | 7.3   | 11.1                                    |  |  |
| News and periodical:  | 63                                    | 4.8                  | 9.4  | 5.7  | 6.7               | 7.0   | 8.8                                     |  |  |
| Rubber:   |                                       |                      |      |      |                   |   |   |  |  |
| Rubber boots and shoes:   | 13                                    | 5.4                  | 7.4  | 5.4  | 6.0               | 5.4   | 7.1                                     |  |  |
| Rubber tires and tubes:   | 31                                    | 5.5                  | 4.9  | 4.7  | 5.0               | 5.1   | 5.9                                     |  |  |
| Rubber products, not elsewhere classified:                                | 89                                    | 12.6                 | 13.6 | 15.0 | 13.8              | 14.1  | 14.7                                    |  |  |
| Stone, clay, and glass:   |                                       |                      |      |      |                   |   |   |  |  |
| Clay products, structural:  | 149                                   | 24.9                 | 38.7 | 39.6 | 34.7              | 31.7  | 36.8                                    |  |  |
| Concrete, gypsum, and plaster products:                                   | 145                                   | 25.8                 | 29.5 | 22.4 | 25.8              | 25.9  | 25.5                                    |  |  |
| Glass:  | 82                                    | 8.5                  | 8.6  | 9.2  | 8.8               | 9.2   | 12.9                                    |  |  |
| Pottery and related products:   | 29                                    | 16.4                 | 16.4 | 17.5 | 16.8              | 14.2  | 15.8                                    |  |  |
| Stone, clay, and glass products, not elsewhere classified:                | 56                                    | 12.9                 | 13.5 | 9.3  | 11.8              | 13.2  | 16.4                                    |  |  |
| Textiles:   |                                       |                      |      |      |                   |   |   |  |  |
| Cotton yarn and textiles:   | 184                                   | 8.3                  | 9.2  | 8.6  | 8.7               | 8.4   | 9.8                                     |  |  |
| Dyeing and finishing textiles:  | 53                                    | 11.1                 | 12.6 | 9.3  | 11.0              | 12.1  | 14.8                                    |  |  |
| Felt goods:   | 70                                    | 4.4                  | 5.5  | 6.2  | 5.4               | 6.1   | 5.6                                     |  |  |
| Rayon, other synthetic, and silk textiles:                                | 61                                    | 7.8                  | 7.5  | 7.3  | 7.5               | 7.8   | 6.9                                     |  |  |
| Woolen and worsted textiles:  | 147                                   | 12.1                 | 13.0 | 11.8 | 12.3              | 12.0  | 13.3                                    |  |  |
| Miscellaneous textile goods, not elsewhere classified:                    | 43                                    | 11.2                 | 17.2 | 12.9 | 13.8              | 16.3  | 16.4                                    |  |  |
| Transportation equipment:   |                                       |                      |      |      |                   |   |   |  |  |
| Aircraft:   | 16                                    | 5.1                  | 3.8  | 5.0  | 4.6               | 4.4   | 4.4                                     |  |  |
| Aircraft parts:   | 39                                    | 7.0                  | 5.4  | 5.9  | 6.1               | 5.6   | 8.7                                     |  |  |
| Boatbuilding and repairing:   | 53                                    | (3)                  | (3)  | (3)  | 33.8              | 30.5  | 40.0                                    |  |  |
| Motor vehicles:   | 127                                   | 5.3                  | 6.4  | 6.9  | 6.3               | 6.0   | 6.7                                     |  |  |
| Motor-vehicle parts:  | 129                                   | 11.3                 | 13.1 | 12.9 | 12.5              | 11.8  | 10.8                                    |  |  |
| Railroad equipment:   | 45                                    | 12.2                 | 14.0 | 16.6 | 14.4              | 13.8  | 13.4                                    |  |  |
| Shipbuilding and repairing:   | 57                                    | 20.8                 | 21.2 | 21.5 | 21.2              | 21.4  | 26.1                                    |  |  |
| Miscellaneous manufacturing:  |                                       |                      |      |      |                   |   |   |  |  |
| Fabricated plastics products:   | 38                                    | 12.4                 | 11.8 | 8.6  | 10.9              | 11.1  | 13.3                                    |  |  |
| Optical and ophthalmic goods:   | 20                                    | 1.9                  | 1.0  | 3.3  | 2.1               | 2.5   | 5.6                                     |  |  |
| Photographic apparatus and materials:                                     | 32                                    | 2                    | 7.8  | 7.7  | 6.3               | 5.5   | 5.3                                     |  |  |
| Professional and scientific instruments and supplies:                     | 65                                    | 5.3                  | 3.2  | 4.6  | 4.4               | 5.6   | 13.0                                    |  |  |
| Miscellaneous manufacturing, not elsewhere classified:                    | 156                                   | 10.3                 | 10.2 | 7.6  | 9.4               | 10.1  | 11.0                                    |  |  |

<sup>1</sup> The average number of disabling work injuries for each million employee-hours worked.<sup>2</sup> Annual rates are based on substantially larger coverage than that of the quarterly survey and are, therefore, not strictly comparable with the monthly and quarterly rates.<sup>3</sup> Insufficient data.<sup>4</sup> Rates not comparable with those published previously, because of changes

in composition of sample.

<sup>5</sup> Formerly included in "Beverages, not elsewhere classified"; rate for industries combined was 21.2 for second quarter, and 19.9 for first 6 months of 1950.<sup>6</sup> Formerly included in "Sugar refining"; rate for industries combined was 21.6 for second quarter, and 21.1 for first 6 months of 1950.

comparable data were available recorded decreases and 47 showed little change. Increases of one frequency rate point or more were reported for 40 separate classifications.

Six industries had increases of 5 frequency rate points or more between the first and second quarters; however, 4 of these classifications showed decreases between the first 6 months of 1949 and the same period of 1950 (see table 1). Sawmills recorded a decrease of 5.4 points from the first to the second quarter of 1950, but an increase of 6.4 points in the first 6 months' rate between 1949 and 1950. The manufacture of batteries, and of steel barrels, kegs, drums, and packages also reported major increases in injury rates over the year.

Metal furniture and plywood mills showed substantial decreases in injury-frequency rates between the first and second quarters of 1950, but recorded minor increases over the year's period. Integrated saw and planing mills had a fairly consistent record of improvements with a decrease of 5.6 points from the first to the second quarter of this year, a drop of 7.2 points between the second quarter of 1949 and the same period in 1950, and a decline of 4.8 points in the first 6-month cumulative rate for the successive years. Ten other industries recorded decreases of 5 or more frequency-rate points between cumulative rates for the first 6 months of 1949 and the similar rates for 1950 (see table 1).

The highest rate recorded for the second quarter of 1950 was 84.7 injuries per million man-hours—in the logging industry. Other industries with high injury rates were sawmills—58.3, planing mills—43.2, and wooden containers—38.2 (see table 2).

The synthetic rubber industry recorded the lowest rate for the second quarter—1.1. Other outstandingly low rates were reported for electric lamps (bulbs)—1.2, synthetic textile fibers—1.3, optical and ophthalmic goods—2.1, explosives—4.1, women's and children's clothing—4.1, communication and signaling equipment except radio—4.1.

<sup>1</sup> The injury-frequency rate is the average number of disabling work injuries for each million employee-hours worked.

A disabling work injury is an injury arising out of and in the course of employment, which results in death or any degree of permanent impairment, or makes the injured worker unable to perform any regularly established job open and available to him, throughout the hours corresponding to his regular shift, on any 1 or more days (including Sundays, days off, or plant shutdowns) after the day of injury.

These data are compiled in conformity with the American Standard Method of Compiling Industrial Injury Rates, approved by the American Standards Association, 1945.

## State Labor Legislation in 1950

LABOR STANDARDS have been amended by the legislatures of 19 States, Puerto Rico, and the Virgin Islands during 1950—a year in which only a few State legislatures met. In all, 11 States, Puerto Rico, and the Virgin Islands convened their legislators in regular session; two States carried their 1949 sessions over into 1950; and 13 others called special sessions during the year. Bills introduced in these special sessions were generally limited to the subjects specified in the Governor's call, which in most cases did not include labor legislation.

The greatest activity related to workmen's compensation, 12 States amending their workmen's compensation laws. These measures are discussed in the October issue of the Monthly Labor Review.

Other major action included a reorganization of the New Hampshire State Labor Department; a complete revision of the Maryland child-labor law; New York legislation supplementing the State Fair Employment Practice Act; an amendment of the Massachusetts Fair Employment Practice Act extending the coverage of this act to discrimination against the older worker; the creation of a commission in Rhode Island to study the employment of older workers; another Rhode Island act requiring the administering of first aid or other medical services to employees; and a wage and hour ordinance in St. Croix, Virgin Islands. Six States enacted legislation concerning industrial relations, including, in Louisiana, an act restoring to the Commissioner his former authority to promote voluntary conciliation of labor disputes, and, in Virginia, an act making labor unions subject to the State anti-monopoly law.

### State Labor Departments

An act reorganizing the entire executive branch of the State Government was enacted by the New Hampshire Legislature in special session, following the recommendations of a Commission authorized to study the problem. The act changed the name of the Bureau of Labor to the Department of Labor and transferred to it the powers and

duties of enforcing the child-labor law, which were formerly vested in the Department of Education. It created a Division of Employment Security within the Labor Department and transferred to this Division the Bureau of Unemployment Compensation and the Bureau of Employment Service. The Apprenticeship Council was transferred to the new department, retaining intact all of its former powers and duties.

A Connecticut act changed the name of its Department of Labor and Factory Inspection to the Department of Labor, effective January 1951.

### Child Labor

Maryland revised its child-labor law, greatly strengthening former standards. These changes brought the law into conformity with the State's school-attendance law passed in 1947. By raising its former 14-year minimum age for employment to a basic 16-year minimum, Maryland became the twenty-third State to adopt this standard. The legislature raised from 16 to 18 the age below which employment certificates are required for minors, and prohibited work in a considerable number of hazardous occupations for minors under 18.

The Maryland act replaced the former 48-hour week for minors under the age of 16 years with a maximum 40-hour week. It established a 9-hour day, 48-hour week for minors 16 and 17 and also limited the hours of work of minors under 18 who are attending school and working outside school hours. A prohibition of night work between 10 p. m. and 6 a. m. was included in the act, applicable to minors of 16 and 17 attending day school. The former prohibition of work between 7 p. m. and 7 a. m. for minors under 16 was retained, but the coverage was broadened to include employment in any gainful occupation.

An amendment to the Rhode Island child-labor law was enacted which prohibited night work between 11 p. m. and 6 a. m. for minors 16 and 17 in business and mercantile establishments. Previously, the night-work prohibition applied only to manufacturing and mechanical establishments.

Child-labor standards in Washington were also amended, by the issuance of a mandatory Mini-

mum Wage and Welfare Order, effective July 10. Under the new order a 40-hour week was established for children below the age of 16 years, applicable when school is not in session. For minors under 16 attending school and working outside school hours, the order provided that in computing their working hours—which are limited to an 8-hour day and 6-day week—half of the total hours in school are to be counted as working hours. By requiring the employer to keep on file age certificates for all employees below the age of 18 years, the order supplemented the 1949 law authorizing the issuance of work permits. The former 25-cent minimum wage rates for minors was replaced by one of 50 cents an hour.

A few States lowered their child-labor standards. In Louisiana the provision of the law permitting minors 16 and 17 years of age to work 10 hours a day and 60 hours a week in the processing of sugar cane and sorghum was extended to cover minors aged 14 and 15. This provision was further broadened to apply also to the processing of strawberries. A Kentucky act, becoming law without the Governor's approval, lowered the minimum age from 18 to 16 years for minors working in public bowling alleys. Massachusetts extended to July 1, 1951, the authority of the Commissioner of Labor and Industries to suspend the application of any provision regulating employment of women and minors in an emergency or under hardship conditions in an industry or establishment.

### Discrimination in Employment

No State proposed a new fair employment practice act this year, but both New York and Massachusetts adopted amendments or supplements to their acts.

New York supplemented its Fair Employment Practice Act by amending an existing law that regulates private employment agencies. The amendment prohibits the issuance of a license to conduct an employment agency when the name of the agency either directly or indirectly expresses discrimination based on race, color, creed, or national origin. Another New York law specifies that government contracts for the manufacture, sale, or distribution of materials, equipment, or supplies must contain provisions prohibiting dis-

crimination on account of race, creed, color, or national origin in the hiring of employees by the contractor.

Massachusetts changed the name of its Fair Employment Practice Commission to the Commission Against Discrimination, and broadened its powers. In addition to its duties relating to discrimination in employment, the commission is also responsible for administering provisions that prohibit discrimination in public places, in advertising, and in public housing developments. By another amendment to the Massachusetts act, discrimination against a person because of age was made an unlawful employment practice. The law continues its former prohibitions against discrimination because of race, color, religious creed, national origin, or ancestry. The term "age" as used in the act was defined to mean any age between 45 and 65 years. This act supplements a 1937 law, still in effect, specifying that any contract or agreement, that would prevent the employment of any person between the ages of 45 and 65 years because of his age, shall be null and void.

Rhode Island also acted to alleviate the problems of the older worker in the labor market. This State passed a resolution creating a special legislative committee of five members to make an immediate investigation and to recommend legislation relating to the refusal to hire and the discharging of employees because they were between 40 and 65 years of age.

Puerto Rico prohibited another type of discrimination by making an employer liable for actual damages when he discriminates against an employee because of the latter's affiliation with any political party.

#### Safety and Health

Laws affecting industrial safety and health were passed in two States, Rhode Island and Virginia. Rhode Island's law required factories, shops, and mercantile establishments, employing 25 or more persons, to provide for the administering of first aid or other medical services to any employee who is injured or becomes ill on the premises, and

requires that a first-aid worker or nurse be available. Large establishments must provide an "accident room" under the direction of a registered nurse. Enforcement was delegated to the State Department of Labor. In Virginia the State Health Commissioner in the Bureau of Industrial Hygiene was granted the right of entry into any industrial or commercial establishment to check on occupational diseases or hazards.

#### Industrial Relations

Authority to promote voluntary conciliation of labor disputes in Louisiana was restored to that State's Commissioner of Labor; it had been removed from the Commissioner in 1948. In a special session, the South Dakota Legislature provided for the formation of Consumer's Power Districts and specified that employees of such districts have the right to organize or join labor unions and to bargain collectively. Massachusetts authorized payroll deductions from the salary of any State, county, or municipal employee for the payment of union dues when the employee authorizes such deduction in writing.

A Massachusetts act declared that no temporary injunction may be issued in a labor dispute unless it is shown to the satisfaction of the court that a representative of the employees was informed of the time and place of the application for such injunction in time to appear in opposition to it. In addition, the act redefined "labor dispute" to provide that the disputants need not stand in the proximate relation of employer and employee.

New Jersey amended its act regulating labor disputes in public utilities, by extending its effectiveness for an indefinite period; otherwise it would have lapsed March 31, 1950. A Virginia act provided for a Fuel Commission to operate, manage, and control any coal-mining or coal-marketing properties seized by the Governor during any emergency or threat of emergency. Another Virginia act had the effect of making unions subject to the State's anti-monopoly law. This legislation repealed the section of the anti-monopoly law which stated that labor organizations were not illegal combinations, trusts, or

monopolies. The new amendment, at the same time, specified that the provisions of the act do not abridge labor's right to strike.

#### Other State Legislation

The Rhode Island wage payment and wage collection law and the law relating to the assignment of wages were both amended to make them mutually consistent in stating the purposes for which deductions from wages may be made. These purposes now include contributions for charity; contributions to a pension plan, hospitalization, or medical insurance; and payment of union dues. In Maryland a commission was created to be called the "Commission on Prevailing Wages for the State of Maryland," to fix and determine the general prevailing wage rates within the State.

Kentucky made it unlawful for an employer to require an employee or applicant for employment to pay the cost of a medical examination required by the employer as a condition of employment. In passing this act, Kentucky followed the lead of nine other States passing such acts in 1949.

—BEATRICE McCONNELL  
Bureau of Labor Standards

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## NLRB Standards for Exercise of Jurisdiction

THE NATIONAL LABOR RELATIONS BOARD has clarified and defined the areas in which it will exercise its jurisdiction in future cases involving all enterprises under the Labor Management Relations Act. It issued 8 unanimous decisions on October 6, 1950,<sup>1</sup> and at the same time set forth standards to be followed. These yardsticks, in large measure, reflect the Board's past action in disposing of similar jurisdictional issues. "The time has come," the NLRB stated, "when experience warrants the establishment and announcement of certain standards which will better clarify and define where the difficult line can best be drawn." Whenever

Federal jurisdiction exists under the LMRA and the interstate commerce clause of the Constitution, the Board will exercise jurisdiction over:

- (1) Instrumentalities and channels of interstate and foreign commerce (for example, radio systems).
- (2) Public utility and transit systems.
- (3) Establishments that operate as integral parts of a multistate enterprise (for example, chain stores and branch divisions of national or interstate organizations).
- (4) Enterprises that produce or handle goods destined for out-of-state shipment, or performing services outside a state, if the goods or services are valued at \$25,000 a year.
- (5) Enterprises that furnish services or materials necessary to the operation of enterprises falling into categories 1, 2, and 4 above, provided such goods or services are valued at \$50,000 a year.
- (6) Any other enterprise that has—
  - (a) a direct inflow of material valued at \$500,000 a year; or
  - (b) an indirect inflow of material valued at \$1,000,000 a year; or
  - (c) a combination inflow or outflow of goods adding up to at least a total of "100 percent" of the amounts required in items 4, 5, and 6 (a) and (b) above.
- (7) Establishments substantially affecting national defense.

The Board stated it had "long been of the opinion that it would better effectuate the purposes of the [Taft-Hartley] Act, and promote the prompt handling of major cases, not to exercise its jurisdiction to the fullest extent possible under the authority delegated to it by Congress, but to limit that exercise to enterprises whose operations have, or at which labor disputes would have, a pronounced impact upon the flow of interstate commerce. This policy should, in our opinion, be maintained."

Thus the NLRB reiterated its policy of not exercising jurisdiction, despite its power to do so, over business operations so local in character that a labor dispute would be unlikely to "have a sufficient impact upon interstate commerce to justify an already burdened Federal Board in expending time, energy, and public funds."

<sup>1</sup> NLRB Press Release R-342, October 6, 1950.

## Office of Defense Manpower in Department of Labor

AN OFFICE OF DEFENSE MANPOWER was established by order of the Secretary of Labor on September 29, 1950.<sup>1</sup> It will perform certain functions delegated to him by the President in an Executive Order<sup>2</sup> issued under the Defense Production Act of 1950.

The Office, which will coordinate the defense manpower activities of the Department of Labor, will be headed by Robert C. Goodwin, Executive Director, who was appointed by the Secretary. Under the Secretary's policy guidance and direction, the office will develop plans, policies, and programs for meeting defense manpower requirements.

The full resources and competencies of the various bureaus and offices of the Department will be utilized in carrying out the work of the Office of Defense Manpower. It will review the plans, policies, and programs developed by them.

### Committees

Also established by the Secretary's order was an Inter-Departmental Committee on Defense Manpower. It is composed of the heads of Federal departments and agencies having an interest in defense manpower and labor supply (or their duly authorized representatives) and will advise the Secretary of Labor in connection with his manpower functions. Two other committees will be formed by the Secretary to aid him in an advisory capacity—a Management-Labor Advisory Committee on Defense Manpower, selected from industrial and agricultural management and labor, and a Women's Advisory Committee on Defense Manpower.

### Functions of Labor Department Bureaus

Specific functions in defense manpower activities are outlined in the Secretary's order for the various agencies of the Department of Labor. To meet effectively the labor needs of defense industry and essential civilian employment, the Director of the Bureau of Employment Security will use the Public Employment Service System. He will gather

necessary reports and information through State employment security offices and local employment offices. He will advise the Secretary on policies applicable to induction and deferment of personnel for the armed services and, with the assistance of certain other Department of Labor officials, recommend the occupations critical to meeting labor requirements of defense and essential civilian activities. He will evaluate labor supply in relation to procurement, materials, and facilities requirements, and will establish necessary operating relationships with the appropriate agencies to assure full consideration of labor-supply matters.

The Commissioner of Labor Statistics will promote needed statistical studies and assemble and analyze information on labor productivity, employment, defense and other labor requirements, and manpower resources, and will serve as economic advisor to the Secretary. He will advise concerning the broad effects of contemplated materials allocations and priorities, guarantee and loan actions, fiscal and tax measures, credit controls and similar programs, and will work with the economic stabilization agencies in conducting needed studies.

Promotional and technical assistance will be given, and plans, programs, and policies for improving skills of workers on the job, including apprentices, will be formulated by the Director of the Bureau of Apprenticeship. He will co-operate with the Director of the Bureau of Employment Security in identifying training needs.

With respect to recruitment and utilization of women for meeting defense and essential civilian labor requirements, the Director of the Women's Bureau will develop plans and policies and advise on determination of policies. She will assist in development of programs to improve skills of women workers, will function as liaison with labor and management, with Federal and State agencies, and with public and private organizations, and will make current analyses and appraisals of aspects having special significance.

Plans, programs, and policies concerning training and utilization of young workers and the physically handicapped, will be formulated with the assistance of the Director of the Bureau of Labor Standards. The same officer will formulate plans,

programs, and policies concerning industrial health and safety, working conditions, morale, and other factors, to effectuate maximum productive efficiency in defense and in essential civilian industry. In these matters, he will serve as liaison with labor and management, with other Federal agencies, and with appropriate public and private agencies.

When provisions of the Fair Labor Standards Act or Public Contracts Act are involved in any plans, programs, or policies formed under the order, the Administrator of the Wage and Hour and Public Contracts Divisions will be consulted.

Insofar as manpower planning and operating programs relate to maximum employment of veterans, particularly those disabled, the Chief of the Veterans' Employment Service will assist the Director of the Bureau of Employment Security in their formulation. The Chief of the Veterans' Employment Service will maintain liaison with other Federal agencies dealing with veterans' welfare, with veterans' organizations, and with military induction and discharge centers.

A program of assistance to employers, employees, and their organizations will be developed by the Director of the Bureau of Veterans' Re-employment Rights. This assistance will be in connection with military leave policies for personnel entering the military services and will expedite reinstatement of ex-servicemen with reemployment rights.

All necessary legal services in connection with activities under the Secretary's order to meet the defense and essential civilian manpower needs will be furnished by the Solicitor of the Department of Labor.

Each bureau and office chief to whom the order assigned functions and duties was asked to submit to the Secretary of Labor an immediate report setting forth his plans and programs for carrying out such instructions. Monthly reports as to activities under the order are to be submitted thereafter.

<sup>1</sup> General Order No. 48, Defense Manpower, September 29, 1950.

<sup>2</sup> See Executive Order No. 10161, Federal Register, September 12, 1950 (p. 6105).

## Salaries of Office Workers: Intercity Differences, [Early 1950]

LOS ANGELES ranked highest among the 11 large cities in which the Bureau of Labor Statistics studied salaries of office workers in the first half of 1950. Based on a comparison of composite averages for women employed in 18 jobs and for men in 5 jobs, the Los Angeles salary level was found to exceed that for New York City by about 7 percent and for Providence by about 24 percent. The pay level in the latter city was slightly below that recorded in Boston and was the lowest among the cities covered in the survey program. These cities are listed in table 1, with the salary level for each city expressed as a percentage of the average salary rate in New York City.<sup>1</sup>

The general salary level in Detroit was slightly below that in Los Angeles, but higher than in

Chicago, the city that ranked third in the list. Salary levels in the other midwestern and southern cities were grouped at 90-92 percent of the New York City average. City averages for women office workers ranked in the same order as the more general measures. Among men workers, however, average salaries were highest in Detroit, with Los Angeles and Chicago rated second and third, respectively. In all cities except Indianapolis, the salary rates for men compared more favorably with New York City levels than did salary rates paid to women workers. To illustrate, Detroit women averaged 3 percent more than women in similar work in New York, whereas men employed in Detroit offices held a 13-percent advantage over men employed in the same 5 jobs in New York City.

The position of the 11 cities varied considerably in the array of city-wide averages for individual selected jobs. Los Angeles ranked first in 9 and

second in 4 of the 23 classifications, but as low as sixth in one category. On the other end of the city scale, Providence also ranked sixth in the case of 3 jobs, although this city was rated ninth or lower in nearly all other classifications. Over-all rankings, obtained by adding the ranks for all jobs in each city, were identical with those presented in table 1. The position of Los Angeles, Chicago, New York, Atlanta, and Boston remained unchanged from 1949 when data for these cities were also available.<sup>2</sup>

TABLE 1.—Relationship of weekly salaries in selected office occupations among 11 large cities, January-June 1950<sup>1</sup>

| City               | Index of weekly salaries (average for New York City=100) |                       |                          |
|--------------------|--|-----------------------|--------------------------|
|                    | Total (23 selected jobs)                                 | Men (5 selected jobs) | Women (18 selected jobs) |
| Los Angeles.....   | 107  | 111                   | 106                      |
| Detroit.....       | 105  | 113                   | 103                      |
| Chicago.....       | 102  | 103                   | 101                      |
| New York.....      | 100  | 100                   | 100                      |
| Indianapolis.....  | 92   | 92                    | 92                       |
| Oklahoma City..... | 92   | 95                    | 91                       |
| Atlanta.....       | 92   | 94                    | 91                       |
| Memphis.....       | 92   | 98                    | 90                       |
| Milwaukee.....     | 90   | 96                    | 89                       |
| Boston.....        | 87   | 93                    | 85                       |
| Providence.....    | 86   | 92                    | 85                       |

<sup>1</sup> This table is based on the average relationship in salary levels among the cities studied. To arrive at the aggregate payroll used in the comparison, the average salary for each of 18 women's jobs and 5 men's jobs was multiplied by the total employment in the job in all cities combined. Although this procedure necessarily limits the comparison of salary levels to workers in the selected jobs, they account for fully 35 percent of the total office labor force in these cities.

In terms of training and experience involved, the jobs studied ranged from office girl or clerk assigned to routine filing work, to bookkeeper. City-wide average salaries for the selected jobs are presented in table 2. Averages of less than \$35 were, with few exceptions, limited to beginning-level jobs in offices. Bookkeepers (in 5 cities) were the only women to average \$55 or more a week. Among the 5 men's jobs, only office boys, with a salary range of \$31-\$39, averaged less than \$50 a week. The lowest and highest city averages generally differed by \$10 or more in all except the beginning-level jobs. The greatest spread was noted among men bookkeepers, whose averages ranged from \$58.50 in Indianapolis to \$83 in the Detroit area.

Salaries in routine jobs were about the same for men and women in all cities. In jobs with

more varied requirements, however, men held an advantage that usually amounted to at least \$10, or 20 percent, or more. Among the cities studied, the difference in pay level for men and women employed in similar work was greatest in Providence and Detroit and the least in New York and Indianapolis. Because of differences in the proportion of men and women employed in particular jobs among industries and establishments, these differences in city-wide job averages do not necessarily reflect the salary relationships within individual offices employing workers of both sexes in the same work categories.

Pay levels varied among the 6 broad industry divisions covered. In most cities earnings were highest in manufacturing, wholesale trade, and in transportation, communication, and other public utilities group. Chicago office workers had the highest salary level in the last group. In Los Angeles, earnings were highest in the service industry division, influenced largely by motion-picture production.<sup>3</sup> City-wide as well as the manufacturing-division averages in Detroit were greatly influenced by the relatively high salary structure of automotive manufacture. Average salaries in the beginning-level jobs differed the least among the several industry divisions. Lower salary levels in some of the industry divisions were at least partly offset by average weekly hours that were below the general level for the area.

These interindustry differences in pay levels account only in part for the wide variation of individual rates noted in each occupation. Pay differences among establishments in the same industry were substantial. Many establishments also have a formal range of rates for each classification, with advancement provided on a length of service or merit basis, and smaller offices commonly reported individual determination of the salary rate. Thus, on a city-wide basis, the highest and lowest salary rates within the same occupations usually differed by \$30 or more. The salary range of the middle 50 percent of the workers in an earning array, however, amounted to less than \$10 in most of the women's jobs, with a somewhat greater dispersion among men's rates.

Of the more than a million office workers employed in the industry divisions and establish-

ment-size groups covered in the 11 cities, more than a third were employed in the occupations dealt with in this article.<sup>4</sup> Numerically, general stenographer was the most important category in each city. To bring into sharper focus the salary relationships among the selected jobs, the city-wide average weekly salary for each job is expressed as a percentage of the stenographer average in table 3. Men bookkeepers averaged about 50 percent more than women stenographers, but double the average salary rate paid to office boys and office girls. Women engaged in office-equipment operating jobs were grouped a few percentage points below the stenographer salary level.

Union agreements covering office workers were reported in 260 of the 2,438 establishments surveyed in the 11 cities. In nearly all cases, the agreements related to both office and nonoffice departments. An estimated 15 percent of the aggregate office labor force in all cities combined was employed under terms of union agreements. Contract coverage ranged from 50 percent in the transportation, communication, and other public

utilities divisions to less than 10 percent in wholesale trade. The proportion of unionized office workers, as measured by contract coverage, was 1 of 4 in retail trade, 1 of 5 in manufacturing, 1 of 6 in the finance, insurance, and real-estate group, and 1 of 8 in the service industries.

Milwaukee ranked first and Los Angeles second in the extent of unionization. A fourth of the office workers in Milwaukee and somewhat more than a fifth in Los Angeles were covered by written agreements. Among the other cities, agreement coverage amounted to a seventh or less of the office labor force, with the lowest ratio (1 in 16) recorded in Memphis and Providence.

### Work Schedules

A 40-hour, 5-day workweek was the most common single schedule for office workers in 10 of the 11 cities. New York City and Boston were the only cities in which a majority of the office workers were on schedules of less than 40 hours; in New York City, two-fifths of the office workers were on

TABLE 2.—Average weekly salaries<sup>1</sup> in selected office occupations in 11 large cities, January-June 1950<sup>2</sup>

| Sex, occupation, and grade                       | Atlanta,<br>January<br>1950 | Boston,<br>January<br>1950 | Chicago,<br>February<br>1950 | Detroit,<br>April<br>1950 | Indian-<br>apolis,<br>January<br>1950 | Los An-<br>geles,<br>March<br>1950 | Mem-<br>phis,<br>February<br>1950 | Milwau-<br>kee,<br>January<br>1950 | New<br>York,<br>February<br>1950 | Oklah-<br>oma<br>City,<br>Febru-<br>ary 1950 | Provi-<br>dence,<br>June<br>1950 |
|--|-----------------------------|----------------------------|------------------------------|---------------------------|---------------------------------------|------------------------------------|-----------------------------------|------------------------------------|----------------------------------|--|----------------------------------|
| <i>Men</i>                                       |                             |                            |                              |                           |                                       |                                    |                                   |                                    |                                  |  |                                  |
| Bookkeepers, hand                                | \$65.00                     | \$66.00                    | \$67.00                      | \$83.00                   | \$58.50                               | \$76.50                            | \$71.00                           | \$66.00                            | \$70.50                          | \$60.00                                      | \$62.50                          |
| Clerks, accounting                               | 52.50                       | 50.00                      | 58.00                        | 65.50                     | 50.00                                 | 62.00                              | 58.00                             | 54.00                              | 56.00                            | 52.50  | 51.00                            |
| Clerks, general                                  | 51.50                       | 61.00                      | 58.00                        | 62.50                     | 55.50                                 | 62.00                              | 54.00                             | 56.00                              | 58.00                            | 63.00  | 52.00                            |
| Clerks, order                                    | 53.00                       | 52.50                      | 60.00                        | 64.50                     | 55.50                                 | 65.50                              | 53.50                             | 54.50                              | 57.50                            | 53.00  | 55.00                            |
| Office boys                                      | 34.50                       | 31.00                      | 36.50                        | 37.00                     | 32.50                                 | 39.00                              | 33.00                             | 33.00                              | 34.00                            | 31.00  | 32.50                            |
| <i>Women</i>                                     |                             |                            |                              |                           |                                       |                                    |                                   |                                    |                                  |  |                                  |
| Billers, machine (billing machine)               | 39.50                       | 36.00                      | 46.50                        | 46.00                     | 39.00                                 | 48.00                              | 41.00                             | 38.50                              | 44.00                            | 39.50  | 39.50                            |
| Bookkeepers, hand                                | 50.00                       | 48.00                      | 58.00                        | 63.00                     | 54.00                                 | 64.00                              | 50.50                             | 55.00                              | 65.50                            | 50.00  | 46.50                            |
| Bookkeeping-machine operators, class B           | 39.00                       | 37.00                      | 44.50                        | 43.50                     | 38.50                                 | 47.00                              | 40.50                             | 40.00                              | 45.00                            | 39.00  | 35.50                            |
| Calculating-machine operators (Comptometer type) | 43.00                       | 38.00                      | 47.50                        | 48.00                     | 44.50                                 | 51.50                              | 42.50                             | 40.00                              | 46.50                            | 43.00  | 38.00                            |
| Clerks, accounting                               | 43.00                       | 39.00                      | 46.00                        | 46.00                     | 42.00                                 | 50.50                              | 39.50                             | 42.00                              | 46.00                            | 41.50  | 41.00                            |
| Clerks, file, class A                            | 40.50                       | 40.00                      | 44.50                        | 48.00                     | 38.00                                 | 45.00                              | 39.50                             | 41.50                              | 46.50                            | 44.00  | 40.50                            |
| Clerks, file, class B                            | 33.50                       | 32.00                      | 37.50                        | 37.00                     | 34.50                                 | 36.00                              | 32.50                             | 33.50                              | 35.50                            | 34.50  | 32.00                            |
| Clerks, general                                  | 42.00                       | 47.00                      | 49.00                        | 51.00                     | 45.00                                 | 48.00                              | 44.00                             | 44.50                              | 48.50                            | 45.00  | 44.00                            |
| Clerks, order                                    | 42.50                       | 39.50                      | 43.00                        | 49.00                     | 41.50                                 | 51.50                              | 36.50                             | 41.00                              | 45.50                            | 36.00  | 41.50                            |
| Clerks, payroll                                  | 45.00                       | 41.50                      | 49.00                        | 50.50                     | 46.00                                 | 53.50                              | 42.50                             | 43.00                              | 51.00                            | 44.50  | 39.50                            |
| Clerk-typists                                    | 38.00                       | 34.50                      | 41.50                        | 41.00                     | 37.00                                 | 44.50                              | 37.50                             | 36.50                              | 40.00                            | 33.00  | 35.50                            |
| Office girls                                     | 33.00                       | 31.50                      | 36.50                        | 36.00                     | 32.00                                 | 38.50                              | 32.50                             | 31.00                              | 33.50                            | 32.50  | 31.00                            |
| Stenographers, general                           | 44.00                       | 39.50                      | 48.50                        | 50.00                     | 44.00                                 | 50.50                              | 42.50                             | 42.00                              | 47.00                            | 43.50  | 39.00                            |
| Switchboard operators                            | 39.50                       | 39.50                      | 46.00                        | 45.50                     | 40.00                                 | 50.00                              | 40.00                             | 40.50                              | 47.00                            | 43.00  | 38.50                            |
| Switchboard operator-receptionists               | 38.50                       | 38.50                      | 45.50                        | 45.50                     | 39.00                                 | 47.50                              | 38.00                             | 37.50                              | 45.50                            | 38.50  | 37.50                            |
| Transcribing-machine operators, general          | 41.50                       | 37.50                      | 45.00                        | 47.50                     | 40.00                                 | 47.00                              | 44.00                             | 39.00                              | 46.50                            | 40.50  | 34.00                            |
| Typists, class A                                 | 41.50                       | 41.00                      | 47.00                        | 48.50                     | 45.00                                 | 44.00                              | 46.50                             | 40.50                              | 45.00                            | 42.50  | 37.00                            |
| Typists, class B                                 | 34.00                       | 32.50                      | 40.50                        | 40.50                     | 37.50                                 | 38.00                              | 36.50                             | 34.50                              | 38.50                            | 36.00  | 35.50                            |

<sup>1</sup> Data relate to salaries for the normal workweek, excluding overtime pay and nonproduction bonuses, but including any incentive earnings.

<sup>2</sup> The study covered representative manufacturing, retail trade establishments (except department stores in Los Angeles), and transportation (except railroads), communication, heat, and light and power companies, with over 100 workers; and establishments with more than 25 workers (50 workers in Chicago and New York) in wholesale trade, finance, real estate, insurance,

and selected service industries (business service; such professional services as engineering, architectural, accounting, auditing, and bookkeeping firms; motion pictures; and nonprofit organizations). Central offices with more than 25 workers (50 workers in New York) were studied in all industries. Crude-petroleum and natural-gas producers with more than 25 workers were studied in Oklahoma City.

a 35-hour week. Memphis was the only city in which more than 10 percent of the office workers were on schedules that exceeded 40 hours.

Workweek schedules varied by industry division, with establishments in the finance, insurance, and real estate group typically providing the most attractive schedules. Although many of the trade and service establishments reported 40-hour schedules, longer hours were fairly common, particularly in the smaller offices. Manufacturing establishments in all cities typically reported 40-hour schedules. The city-wide pattern of work schedules is thus determined in great part by the nature of the industrial composition of the office labor force. For example, in Detroit and Milwaukee, in which a majority of the office workers were employed in manufacturing establishments, more than four-fifths of the office workers were on a 40-hour schedule. The shorter workweek in New York City is explained by the fact that only 15 percent of the office workers were employed in manufacturing establishments, and the largest group (35 percent) was classified in the finance, insurance, and real-estate division.

TABLE 3.—Relationship of weekly salaries in selected office occupations, 11 large cities, January-June 1950<sup>1</sup>

| Sex and occupation                               | Index of weekly salaries (average for women general stenographers = 100) |                       |
|--|--|-----------------------|
|  | Average <sup>2</sup>   | Range of city indexes |
| <i>Men</i>                                       |  |                       |
| Bookkeepers, hand                                | 151  | 133-167               |
| Clerks, general                                  | 126  | 117-154               |
| Clerks, order                                    | 126  | 120-141               |
| Clerks, accounting                               | 123  | 114-131               |
| Office boys                                      | 77   | 71-83                 |
| <i>Women</i>                                     |  |                       |
| Bookkeepers, hand                                | 122  | 114-139               |
| Clerks, general                                  | 103  | 95-119                |
| Clerks, payroll                                  | 102  | 100-109               |
| Stenographers, general                           | 100  | 100-100               |
| Calculating-machine operators (Comptometer type) | 98   | 95-102                |
| Clerks, accounting                               | 98   | 92-105                |
| Clerks, order                                    | 97   | 83-106                |
| Typists, class A                                 | 97   | 87-109                |
| Clerks, file, class A                            | 96   | 86-104                |
| Switchboard operators                            | 96   | 90-100                |
| Switchboard operator-receptionists               | 94   | 88-97                 |
| Transcribing-machine operators, general          | 94   | 87-104                |
| Billers, machine (billing machine)               | 92   | 89-101                |
| Bookkeeping-machine operators, class B           | 92   | 87-96                 |
| Clerk-typists                                    | 87   | 82-91                 |
| Typists, class B                                 | 82   | 75-91                 |
| Clerks, file, class B                            | 77   | 71-82                 |
| Office girls                                     | 75   | 71-80                 |

<sup>1</sup> This table is based on the average relationship in salary levels in an entire community. These relationships may differ considerably from the differentials existing within individual firms or industries since city figures are influenced by interestablishment differences in the relative importance of jobs.

<sup>2</sup> Median.

### Supplementary Benefits

Vacations with pay were provided in each city to all or nearly all office workers who had met minimum service requirements.<sup>3</sup> Half or more of the office workers in each city qualified for a paid vacation, typically a week, upon the completion of 6 months' service. A 2-week annual vacation was the general rule for workers who had a year of service. The most liberal leave provisions for workers with longer service were noted in Boston and New York. Roughly, a fourth of the office workers in these cities became eligible for annual vacations exceeding 2 weeks upon completing their fifth year of employment.

The major exception to the practice of providing a 2-week vacation after a year of service was found in the retail trade division. In New York City, for example, 55 percent of the office workers in retail trade received a week of paid leave during their second year of employment, whereas more than 90 percent of all office workers in the city became eligible for 2 weeks after similar service.

Paid holidays were granted office workers by all except a few small establishments. Measured in terms of employment in offices with a particular practice, 6 holidays a year were most commonly paid for in Chicago, Detroit, Indianapolis, Milwaukee, and Oklahoma City. In Atlanta and Memphis, the most common practice was to provide 5 days annually, although 6 days were received by a fourth of the cities' office workers. As in the case of paid vacation leave, the most liberal policies were reported in the northeastern cities. Most office workers in Boston and New York received 11 or more paid holidays, and Providence workers commonly received 9 or 10 days annually. Holiday-pay practice varied considerably within each city and industry division. Establishments in the finance, insurance, and real estate group generally provided the largest number of paid holidays.

Formal provisions for sick leave with full pay, without a waiting period specified, were reported by a minority of establishments studied in each industry division in each city. The proportion of workers employed in offices providing paid sick leave on this basis to those who had completed a year of service ranged from a fifth in Memphis to two-fifths in Detroit and Indianapolis. The num-

ber of days granted annually ranged from 5 days or less to more than 15 days in each city. However, these estimates do not include situations in which full pay was granted after a waiting period, part pay was provided, or sick leave was granted on an informal basis.

Nonproduction bonuses, usually issued in the form of a Christmas or year-end payment, supplemented the basic pay of about two-fifths of the office workers employed in 11 cities. A few establishments in each city reported a profit-sharing plan. Such plans were most common in Oklahoma City and Memphis. In most of the cities, the proportion of workers in establishments reporting nonproduction bonus payments was greatest in retail trade. New York was the outstanding exception to this practice; only 16 percent of the office workers in retail trade as compared with 41 percent of all office workers in the city received such additional payments.

Insurance and pension plans for which the employers paid at least part of the premiums were reported by the great majority of establishments visited. The proportion of office workers employed in establishments with life-insurance plans amounted to three-fifths in Providence and three-fourths or more in the other cities. Retirement-pension plans were in effect in establishments accounting for two-fifths of the office workers in Detroit and from half to three-fifths of the office workers in each of the other cities.

—TOIVO P. KANNINEN  
Division of Wage Statistics, BLS

<sup>1</sup> Data for this article were collected from 2,438 establishments; workers were classified on the basis of uniform job descriptions. The industrial coverage and minimum size of establishment included in the survey program are summarized in footnote 2 to table 2. See June to October 1950 issues of the *Monthly Labor Review* for previous reports.

Further detail on salaries, work schedules, and supplementary benefits is available in individual bulletins for each of the 11 cities.

<sup>2</sup> See *Salaries of Office Workers: Intercity Differences, Early 1949*, in *Monthly Labor Review*, November 1949.

<sup>3</sup> Stenographers in motion-picture production, for example, averaged about 30 percent more than average pay for this job in all other Los Angeles industries combined.

<sup>4</sup> Data for several additional jobs appear in the detailed reports for most of the individual cities.

<sup>5</sup> Information on the supplementary benefits discussed in this article was obtained in last year's study in Los Angeles and was, therefore, not collected in the more recent survey. For a summary of the supplementary benefits provided in this city in January 1949, see *Monthly Labor Review*, June 1949.

## Action Against Communism in Australian and New Zealand Unions<sup>1</sup>

INCREASING INTERNATIONAL TENSION, particularly in Asia, caused both the Australian and New Zealand Governments to take action in 1949 and early 1950 against the continuing efforts of the Communist minority to control trade-unions and disrupt labor-management relations. Organized labor had long opposed any outside interference in trade-union affairs, but both leadership and rank-and-file supported certain phases of this Government intervention. Communist leaders failed to win support either for political strikes or in union elections during the first half of 1950. In July, the executive of the Communist-controlled Australian Seamen's Union was forced to lift its ban on transport of war materials to the United Nations forces in Korea by strong rank-and-file opposition as well as by the threat of Government prosecution. Left-wing New Zealand union leaders took no action against shipments to Korea.

The policies of the moderately led Australian Council of Trade Unions (ACTU) and the New Zealand Federation of Labor, trade-union centers representing the bulk of organized labor, have generally been similar. The tactics of the Communists within these groups<sup>2</sup> have also followed similar lines in the two countries. They have emphasized (1) opposition to the long-accepted principles of settling industrial disputes by conciliation and arbitration rather than by strike; (2) opposition to close alliance with the Labor Party and exercise of restraint by organized labor when that Party heads the Government<sup>3</sup>; and (3) support of the World Federation of Trade Unions (WFTU) and opposition to the International Confederation of Free Trade Unions (ICFTU).<sup>4</sup>

### Australian Developments

Government intervention occurred in Australia in connection with the costly 7-week general coal strike in mid-1949. The strike was labeled by the ACTU, individual unions, and rank-and-file membership generally as "a Communist conspiracy against the community" and not founded on any

legitimate industrial grievance. The Australian Parliament enacted legislation freezing the funds of the unions involved and authorizing the Arbitration Tribunal to conduct new union elections where there was evidence of fraud. The Government then imprisoned Communist union leaders who defied the legislation. Organized labor raised little or no objection to these measures.

The Communist Party dissolution bill, introduced by the Liberal-Country administration in the spring of 1950 in fulfillment of a 1949 campaign pledge, occasioned intense debate in trade-union circles throughout the country. The ACTU finally accepted the Parliamentary Labor Party decision to seek amendments to the bill rather than to oppose it outright. As drafted, the bill authorized the Government to "declare" persons Communist, jail such persons for up to 5 years if they continue their activity, and remove them from public service and from trade-union office in specific key industries. The provision regarding trade-unions was opposed by some members of the Government as well as by the Labor Party and trade-unionists, who also demanded amendment of such clauses as that putting the onus of proof on the "declared" person. When Parliament adjourned for 3 months in June 1950, the bill was deadlocked in the Senate, in which the Labor Party has a majority. However, when Parliament reconvened in October, the Labor Party withdrew its opposition, and the bill was passed as drafted.

Communist trade-union leaders protested the bill by scheduling 24-hour strikes in all Australian industries; these strikes were largely ineffective, however. More than half the membership of the Sydney dock, engineering, and building workers' unions boycotted mass meetings called to plan the strikes and ignored the resulting stop-work orders. Central Miners' Federation officials canceled strike plans when leaders of the Federation's Northern District (mining more than half of Australia's coal) threatened to ignore any such strike order.

### New Zealand Developments

The conflict between militant and moderate factions in the New Zealand trade-union movement finally split the movement, in the spring of 1950, for the first time since its unification in the

Federation of Labor in 1937. The latent conflict came into the open in connection with both the strike and lock-out of the Auckland Carpenters' Union in the spring of 1949. At that time, the Government "deregistered" the union and registered a seceding group favoring arbitration.<sup>5</sup> The Federation executive approved these measures. The Waterside Workers' Union, leader of the left-wing group, challenged the action of the Federation executive, which in turn expelled this union.<sup>6</sup> When the executive's action was reviewed at the Federation's annual conference in April, delegates representing unions of drivers, tramway workers, and freezing works employees joined the Watersiders in walking out of the convention.

These delegates immediately established the New Zealand Trade Union Congress (TUC). They claimed to represent an estimated 75,000 of the over 200,000 trade-unionists in the Federation. A number of the unions involved, however, reversed their delegates' action and remained in the central body. Most of the union groups called to vote on this issue emphasized the importance of reuniting the two elements in the movement. Response was slight to the TUC call for a Dominion-wide general strike on June 28, the opening day of Parliament (nominally to protest certain food price rises); only in Auckland and Greymouth did demonstrations take place, rather poorly attended and composed primarily of Waterside Workers.

ANN S. RITTER and M. MEAD SMITH  
Division of Foreign Labor Conditions (BLS)

<sup>1</sup> Information is from the *Economist*, London, February 11, May 13, and July 29, 1950; *London Times*, July and September 1949, and May 1950; International Free Trade Union News, Free Trade Union Committee of the American Federation of Labor, October 1949; Report No. 14, by Richard H. Stephens, U. S. Consulate, Sydney, July 10, 1950; Reports Nos. 70, 259, and 294, by A. S. Abbott, February 14, April 24, and May 8, 1950, and Nos. 361 and 6, by Armitstead M. Lee, June 9 and July 3, 1950, U. S. Embassy, Wellington, New Zealand; and various other sources.

<sup>2</sup> Communists occupied important positions in 1949 in the dock workers' unions in both countries and, in Australia, in unions of miners, seamen, and iron workers, and, in New Zealand, unions of transport and freezing works employees.

<sup>3</sup> Australia was governed by the Labor Party from 1941 until December 1949 when a coalition of the Liberal and Country Parties was elected; in New Zealand, the Labor Party held office for 14 years, until defeated by the National Party in December 1949.

<sup>4</sup> The Federation and the ACTU withdrew from the WFTU in 1949, although several member organizations continued independent affiliation with the international organization. At its 1950 conference, the Federation voted to affiliate with the ICFTU.

<sup>5</sup> The Industrial Conciliation and Arbitration Act of New Zealand provides that unions and employers' associations registered under the act may be deregistered for instigating illegal strikes or lockouts and thus be deprived of benefits under an award.

<sup>6</sup> See Notes on Labor Abroad, No. 14, March 1950 (p. 71).

## Radio Broadcasting Industry: Earnings in October 1949<sup>1</sup>

AVERAGE WEEKLY EARNINGS for the more than 40,000 full-time workers in the Nation's radio broadcasting industry were about \$69.50 in October 1949. Nearly four-fifths of these workers were in establishments employing 15 or more workers; their average weekly earnings were \$74, as compared with the average of \$53.50 for workers in establishments employing fewer than 15 workers. Earnings of employees of the networks and their key stations were substantially higher than those of workers employed by other broadcasting stations.

Earnings for individual occupational groups were studied only in establishments employing 15 or more workers; smaller broadcasting stations do not ordinarily possess the clearly defined occupational structure that permits a meaningful analysis.

Staff announcers, numerically the largest single occupation studied, averaged about \$72 in October 1949. Announcers employed by the networks and their originating stations earned \$98 a week, as compared with the average of \$70.50 received by those employed by the other broadcasting stations.

Staff musicians received the highest average earnings of the occupations selected for study—\$109 a week. Those employed by the networks and their key stations received \$149 a week as compared with \$85 for those employed by the other broadcasting stations.

Weekly earnings of chief engineers averaged about \$105. Studio engineers holding a first-class license averaged \$81.50 a week while similarly licensed transmitter engineers averaged \$69.50.

Employees charged with the responsibility of gathering, preparing, or presenting news and comments on news events averaged \$78 a week. Average weekly earnings for workers in this classification, employed by the networks, were \$101.50, while similar workers employed by the other broadcasting stations averaged \$74.50.

TABLE 1.—Average scheduled weekly hours and earnings for full-time employees<sup>1</sup> of the radio broadcasting industry, by size and type of establishment, October 1949

| Size and type of establishment              | Number of employees | Average scheduled weekly hours | Average scheduled weekly earnings |
|---|---------------------|--------------------------------|-----------------------------------|
| Total industry                              | 40,773              | 39.9                           | \$69.50                           |
| Establishments with 15 or more employees    | 32,429              | 39.3                           | 74.60                             |
| 7 networks and 11 key stations              | 7,221               | 37.7                           | 88.60                             |
| Other stations employing 15 or more workers | 25,208              | 39.8                           | 70.00                             |
| Establishments with fewer than 15 employees | 8,344               | 41.9                           | 53.50                             |

<sup>1</sup> Excludes general officers and assistants.

Staff writers, who do the original writing of program material, including script and continuity writing, averaged \$52 a week in October 1949. Those employed by the networks and their key stations averaged \$92.50, as compared with \$49.50 earned by writers employed by the other broadcasting stations.

Salesmen engaged in selling broadcasting time earned an average of \$93.50 a week. Nonsupervisory clerical personnel, as a group, averaged \$43.50. Building-service employees, such as

TABLE 2.—Average weekly hours and earnings for selected occupational groups in the radio broadcasting industry,<sup>1</sup> October 1949

| Selected occupations                    | Total <sup>1</sup>  |                                |                                   | 7 networks and 11 key stations |                                |                                   | 960 other broadcasting stations |                                |                                   |
|---|---------------------|--------------------------------|-----------------------------------|--------------------------------|--------------------------------|-----------------------------------|---------------------------------|--------------------------------|-----------------------------------|
|   | Number of employees | Average scheduled weekly hours | Average scheduled weekly earnings | Number of employees            | Average scheduled weekly hours | Average scheduled weekly earnings | Number of employees             | Average scheduled weekly hours | Average scheduled weekly earnings |
| All employees <sup>2</sup>              | 32,429              | 39.3                           | \$74.00                           | 7,221                          | 37.7                           | \$88.00                           | 25,208                          | 39.8                           | \$70.00                           |
| Building-service employees              |                     |                                |                                   |                                |                                |                                   |                                 |                                |                                   |
| Chief engineers and supervisors         | 1,430               | 38.5                           | 44.00                             | 580                            | 36.4                           | 53.50                             | 850                             | 39.9                           | 37.50                             |
| Clerical, excluding supervisors         | 1,371               | 40.9                           | 105.00                            | 147                            | 39.5                           | 160.00                            | 1,224                           | 41.1                           | 98.50                             |
| Salesmen                                | 6,282               | 39.5                           | 43.50                             | 2,456                          | 38.7                           | 47.00                             | 3,286                           | 40.0                           | 41.50                             |
| Staff announcers                        | 2,379               | 40.7                           | 93.50                             | 186                            | 38.4                           | 147.50                            | 2,193                           | 40.9                           | 89.00                             |
| Staff musicians                         | 4,256               | 40.8                           | 72.00                             | 223                            | 39.9                           | 98.00                             | 4,033                           | 40.8                           | 70.50                             |
| Staff news personnel                    | 1,450               | 22.8                           | 109.00                            | 543                            | 23.2                           | 149.00                            | 967                             | 22.6                           | 85.00                             |
| Staff writers                           | 1,015               | 40.5                           | 78.00                             | 141                            | 39.1                           | 101.50                            | 874                             | 40.8                           | 74.50                             |
| Studio engineers—1st class license      | 1,159               | 40.7                           | 52.00                             | 66                             | 39.9                           | 92.50                             | 1,093                           | 40.7                           | 49.50                             |
| Transmitter engineers—1st class license | 2,203               | 40.3                           | 81.50                             | 433                            | 40.0                           | 100.00                            | 1,770                           | 40.4                           | 77.00                             |
|   | 3,088               | 40.8                           | 69.50                             | 132                            | 40.1                           | 109.00                            | 2,956                           | 40.9                           | 67.50                             |

<sup>1</sup> Includes only stations employing 15 or more workers.

<sup>2</sup> Excludes general officers and assistants and part-time employees.

TABLE 3.—*Average weekly scheduled hours and earnings for selected occupational groups in broadcasting stations,<sup>1</sup> by size of community, October 1949*

| Selected occupations                         | Metropolitan districts and cities having population of— |                                |                                   |                     |                                |                                   |                     |                                |
|--|---|--------------------------------|-----------------------------------|---------------------|--------------------------------|-----------------------------------|---------------------|--------------------------------|
|  | 500,000 and over  |                                |                                   | 100,000 to 500,000  |                                |                                   | Less than 100,000   |                                |
|  | Number of employees                                     | Average scheduled weekly hours | Average scheduled weekly earnings | Number of employees | Average scheduled weekly hours | Average scheduled weekly earnings | Number of employees | Average scheduled weekly hours |
| All employees <sup>2</sup> .....             | 8,766   | 38.3                           | \$83.50                           | 9,251               | 40.2                           | \$66.50                           | 7,191               | 41.1                           |
| Building service employees.....              | 344   | 40.0                           | 45.50                             | 315                 | 40.9                           | 34.50                             | 191                 | 38.1                           |
| Chief engineers and supervisors.....         | 382   | 40.1                           | 120.50                            | 429                 | 40.9                           | 97.00                             | 413                 | 42.2                           |
| Clerical, excluding supervisors.....         | 1,584   | 39.3                           | 42.50                             | 1,343               | 40.3                           | 41.50                             | 899                 | 40.7                           |
| Salesmen.....                                | 599   | 40.1                           | 117.50                            | 832                 | 41.0                           | 87.00                             | 762                 | 41.2                           |
| Staff announcers.....                        | 1,090   | 39.7                           | 93.00                             | 1,488               | 41.0                           | 68.50                             | 1,455               | 41.5                           |
| Staff musicians.....                         | 579   | 20.9                           | 100.00                            | 527                 | 23.5                           | 50.00                             | 101                 | 30.1                           |
| Staff news personnel.....                    | 259   | 39.0                           | 90.00                             | 543                 | 40.8                           | 73.50                             | 272                 | 41.4                           |
| Staff writers.....                           | 205   | 39.6                           | 57.50                             | 443                 | 40.7                           | 50.50                             | 445                 | 41.2                           |
| Studio engineers—1st class license.....      | 830   | 39.9                           | 90.00                             | 637                 | 40.2                           | 69.50                             | 303                 | 42.1                           |
| Transmitter engineers—1st class license..... | 786   | 39.5                           | 83.50                             | 1,174               | 41.1                           | 67.00                             | 996                 | 41.7                           |

<sup>1</sup> Excludes 7 networks and 11 key broadcasting stations of the networks and stations employing less than 15 workers.

<sup>2</sup> Excludes general officers and assistants and part-time employees.

ushers, guards, janitors, and elevator operators, averaged \$44 a week.

### Wage Differentials by City Size

Earnings of employees in the radio broadcasting industry varied not only by type of operation, but also by size of metropolitan district or city. Tabulations of earnings in broadcasting stations employing 15 or more workers (even when data for the networks and their key stations were excluded) indicated substantial wage differentials between cities and areas of varying sizes.

Average earnings of all employees in these stations were \$70 a week in October 1949. Employees of stations located in metropolitan districts having 500,000 or more population averaged \$83.50 a week, as compared with \$66.50 in areas having between 100,000 and 500,000 population and \$57 in areas having less than 100,000 people.

Chief engineers employed by stations located in metropolitan districts of over 500,000 population averaged \$120.50 in October 1949. Those

employed in areas having between 100,000 to 500,000 population averaged \$97, and in cities of less than 100,000 persons, \$80 a week.

Announcers employed in the larger areas averaged \$93, while weekly earnings of \$68.50 and \$55.50 were reported for employees in the other city-size groups.

Hours reported tended to be fairly uniform. Nearly all occupational groups studied were working about 40 hours a week. The only exception was musicians who were reported as working on an average scheduled week of about 23 hours.

—L. EARL LEWIS

Division of Wage Statistics

<sup>1</sup> Data for this study were collected by the Federal Communications Commission as a part of its annual report. Under a cooperative arrangement, the Bureau of Labor Statistics has assumed the task of tabulating and publishing these materials. More detailed reports for the year 1949, similar to those published by the FCC in previous years, are available upon request.

The earnings shown in this report were computed by dividing weekly scheduled compensation by weekly scheduled hours. Thus, the figures shown would include premium rates for regularly scheduled overtime, if any.

The employees covered by this article exclude general officers and assistants and all part-time employees. Nonstaff program employees were considered as part-time employees.

## Communications Industries: Earnings in 1948 and 1949<sup>1</sup>

EMPLOYEES of class A interstate telephone carriers averaged \$1.34 an hour in October 1949. Fewer than 2 percent of them received less than 75 cents, and over 10 percent had earnings of \$2 or more.

Switchboard operators were the largest single occupational group; experienced operators earned an average of \$1.07 an hour in October 1949. Testboard men and repeater men averaged \$1.92; hourly earnings of over two-thirds of these employees ranged from \$1.80 to \$2.25. Exchange repairmen averaged \$1.83 an hour; cable splicers,

\$1.79; central office repairmen, \$1.74; and building and motor-vehicle service mechanics and draftsmen, \$1.71. Laborers, the lowest paid occupational group studied, averaged 93 cents.

With the exception of laborers, all occupations studied showed increases in average earnings during the year October 1948–October 1949. These average hourly increases ranged from 4 to 17 cents.

Western Union wire telegraph employees averaged \$1.17 an hour in October 1949. Foot or bicycle messengers, comprising nearly a fourth of the employees, had average hourly earnings below 70 cents. The average for all workers, excluding foot and bicycle messengers, was \$1.27.

Exclusive of Morse operators, experienced telegraph operators in the traffic department averaged

TABLE 1.—Class A interstate telephone carriers: distribution of employees, by hourly earnings and selected occupations, October 1949 and 1948

| Hourly earnings                               | All employees <sup>1</sup> |         | Cable splicers |        | Cable splicers' helpers |        | Central office repairmen |        | Draftsmen |        | Exchange repairmen |        |
|---|----------------------------|---------|----------------|--------|-------------------------|--------|--------------------------|--------|-----------|--------|--------------------|--------|
|   | 1949                       | 1948    | 1949           | 1948   | 1949                    | 1948   | 1949                     | 1948   | 1949      | 1948   | 1949               | 1948   |
| Less than 60 cents                            | 0.2                        | 0.3     | (2)            |        | 0.1                     | 0.1    | (2)                      | (2)    | 0.2       |        | 0.2                | (2)    |
| 60-64 cents                                   | .1                         | .3      | (2)            |        | (2)                     | (2)    | (2)                      | (2)    | .2        |        | (2)                | .1     |
| 65-69 cents                                   | .3                         | .7      |                |        | (2)                     | (2)    | (2)                      | (2)    |           |        |                    |        |
| 70-74 cents                                   | .7                         | 2.1     | (2)            |        | .4                      | (2)    | 0.1                      | 0.1    |           |        |                    |        |
| 75-79 cents                                   | 1.5                        | 3.9     | 0.1            |        | .1                      | 1.5    | 0.1                      | .3     | .2        |        | 0.2                | .2     |
| 80-89 cents                                   | 6.8                        | 12.2    | 0.1            |        | 2                       | 1.3    | 10.6                     | .2     | 2.2       | .9     | 3.7                | .6     |
| 90-99 cents                                   | 11.9                       | 14.7    | .2             | 1.0    | 5.4                     | 20.7   | 1.3                      | 5.0    | 1.6       | 6.1    | .5                 | 1.1    |
| 100-119 cents                                 | 27.7                       | 25.2    | 2.4            | 11.5   | 35.4                    | 43.6   | 8.5                      | 13.0   | 14.1      | 21.0   | 3.0                | 5.1    |
| 120-139 cents                                 | 19.8                       | 15.0    | 11.4           | 17.0   | 39.3                    | 18.0   | 15.5                     | 11.8   | 21.1      | 14.8   | 7.7                | 9.2    |
| 140-159 cents                                 | 9.3                        | 7.1     | 13.6           | 11.4   | 15.1                    | 4.1    | 13.9                     | 10.1   | 11.0      | 9.5    | 12.0               | 10.9   |
| 160-179 cents                                 | 8.5                        | 5.0     | 14.1           | 18.3   | 2.7                     | 1.0    | 9.9                      | 11.5   | 11.2      | 8.8    | 12.0               | 14.1   |
| 180-199 cents                                 | 5.4                        | 4.9     | 26.2           | 23.4   | .3                      | (2)    | 16.2                     | 18.8   | 8.2       | 8.5    | 26.6               | 29.0   |
| 200-224 cents                                 | 6.1                        | 4.5     | 28.5           | 14.0   | .3                      | (2)    | 23.9                     | 17.5   | 13.3      | 12.4   | 36.5               | 28.3   |
| 225-249 cents                                 | 1.9                        | 1.8     | 3.5            | 3.1    |                         |        | 9.9                      | 9.3    | 7.9       | 7.0    | 1.2                | 1.1    |
| 250 cents and over                            | 2.8                        | 2.3     |                |        |                         |        | .6                       | .4     | 10.3      | 7.3    | (2)                |        |
| Total   | 100.0                      | 100.0   | 100.0          | 100.0  | 100.0                   | 100.0  | 100.0                    | 100.0  | 100.0     | 100.0  | 100.0              | 100.0  |
| Number of workers                             | 498,800                    | 524,700 | 8,313          | 10,147 | 7,895                   | 9,291  | 24,846                   | 23,317 | 572       | 589    | 10,101             | 9,462  |
| Average hourly earnings                       | \$1.34                     | \$1.25  | \$1.79         | \$1.65 | \$1.23                  | \$1.08 | \$1.74                   | \$1.66 | \$1.71    | \$1.60 | \$1.83             | \$1.77 |
|   |                            |         |                |        |                         |        |                          |        |           |        |                    |        |
| Experienced switchboard operators             |                            |         |                |        |                         |        |                          |        |           |        |                    |        |
| Laborers                                      |                            |         |                |        |                         |        |                          |        |           |        |                    |        |
| Linemen                                       |                            |         |                |        |                         |        |                          |        |           |        |                    |        |
| Mechanics, building and motor vehicle service |                            |         |                |        |                         |        |                          |        |           |        |                    |        |
| PBX and station installers                    |                            |         |                |        |                         |        |                          |        |           |        |                    |        |
| Test board men and repeater-men               |                            |         |                |        |                         |        |                          |        |           |        |                    |        |
| Less than 60 cents                            | 0.4                        | 0.5     | 5.2            | 3.9    | (2)                     | (2)    |                          |        | 0.1       | 0.1    | (2)                | (2)    |
| 60-64 cents                                   | .2                         | .5      | 1.9            | .6     | 0.1                     | 0.1    |                          |        | (2)       | (2)    | (2)                | (2)    |
| 65-69 cents                                   | .3                         | .6      | 1.9            | 1.2    | .1                      | .1     |                          |        | .1        | .1     | (2)                | (2)    |
| 70-74 cents                                   | .7                         | 1.2     | 1.9            | 8.7    | .1                      | .7     |                          |        | .1        | .1     | 0.1                | .1     |
| 75-79 cents                                   | 1.6                        | 3.7     | 18.1           | 14.1   | .3                      | 1.4    | 0.3                      | .1     | .1        | 1.2    | (2)                | .1     |
| 80-89 cents                                   | 8.8                        | 16.9    | 7.1            | 13.2   | 1.8                     | 7.1    | .2                       | 1.5    | .4        | 4.5    | .1                 | .7     |
| 90-99 cents                                   | 19.5                       | 20.5    | 14.5           | 12.0   | 4.4                     | 12.5   | 1.1                      | 2.0    | 1.6       | 10.1   | .4                 | 1.2    |
| 100-119 cents                                 | 46.1                       | 37.7    | 34.2           | 31.6   | 19.6                    | 36.1   | 5.2                      | 5.3    | 12.8      | 21.1   | 2.4                | 3.3    |
| 120-139 cents                                 | 21.3                       | 17.2    | 9.9            | 10.5   | 27.6                    | 16.1   | 7.4                      | 9.5    | 21.4      | 11.4   | 4.5                | 4.3    |
| 140-159 cents                                 | 1.0                        | 1.0     | 3.1            | 2.4    | 19.3                    | 8.6    | 16.6                     | 22.1   | 15.7      | 7.3    | 6.5                | 6.4    |
| 160-179 cents                                 | .1                         | .2      | 2.2            | 1.8    | 12.9                    | 7.7    | 24.5                     | 24.0   | 10.3      | 13.0   | 8.6                | 17.3   |
| 180-199 cents                                 | (2)                        | (2)     |                |        | 9.8                     | 7.2    | 29.6                     | 23.3   | 12.2      | 19.3   | 29.5               | 27.2   |
| 200-224 cents                                 | (2)                        | (2)     |                |        | 3.9                     | 2.3    | 12.5                     | 9.9    | 25.0      | 11.3   | 37.0               | 30.1   |
| 225-249 cents                                 | (2)                        | (2)     |                |        | .1                      | .1     | 2.6                      | 2.0    | .3        | (2)    | 10.9               | 9.2    |
| 250 cents and over                            | (2)                        | (2)     |                |        | (2)                     | (2)    | (2)                      | (2)    |           |        | (2)                | (2)    |
| Total   | 100.0                      | 100.0   | 100.0          | 100.0  | 100.0                   | 100.0  | 100.0                    | 100.0  | 100.0     | 100.0  | 100.0              | 100.0  |
| Number of workers                             | 182,501                    | 170,156 | 324            | 333    | 17,315                  | 20,687 | 2,307                    | 2,162  | 19,091    | 18,845 | 8,994              | 8,346  |
| Average hourly earnings                       | \$1.07                     | \$1.03  | \$0.93         | \$0.96 | \$1.40                  | \$1.23 | \$1.71                   | \$1.64 | \$1.61    | \$1.44 | \$1.92             | \$1.86 |

<sup>1</sup> Excludes officials and managerial assistants, professional and semi-professional employees, and nonclerical business office and sales employees.

<sup>2</sup> Less than 0.05 of 1 percent.

\$1.19, with more than 98 percent receiving between \$1 and \$1.40 an hour. Similar workers in the commercial department averaged \$1.04; about 80 percent of these workers had earnings between 90 cents and \$1.20. Morse operators earned \$1.30 an hour, and the average for telephone operators was \$1.12.

Employees engaged in the maintenance of subscribers' equipment, averaging \$1.55 an hour, received the highest level of wages among the occupations selected for study. Linemen and cablemen averaged \$1.44 and laborers \$1.25.

Average hourly earnings for all Western Union wire telegraph employees in October 1949 were 3

TABLE 2.—Western Union Telegraph Co.: distribution of wire-telegraph employees, by hourly earnings and selected occupations, October 1949 and 1948

| Hourly earnings         | All employees <sup>1</sup> |        | Experienced telegraph operators<br>(exclusive of Morse operators) |        |                         |        | Laborers             |        | Linemen and<br>cablemen                  |        | Mechanics,<br>building<br>service |        |
|-------------------------|----------------------------|--------|---|--------|-------------------------|--------|----------------------|--------|--|--------|-----------------------------------|--------|
|                         |                            |        | Commercial<br>department  |        | Traffic depart-<br>ment |        |                      |        |  |        |                                   |        |
|                         | 1949                       | 1948   | 1949  | 1948   | 1949                    | 1948   | 1949                 | 1948   | 1949                                     | 1948   | 1949                              | 1948   |
| Less than 60 cents      |                            |        |   |        |                         |        |                      |        |  |        |                                   |        |
| 60-64 cents             |                            |        |   |        |                         |        |                      |        |  |        |                                   |        |
| 65-69 cents             | 20.4                       | 19.3   |   |        |                         |        |                      |        |  |        |                                   |        |
| 70-74 cents             | 3.6                        | 2.3    |   |        |                         |        |                      |        |  |        |                                   |        |
| 75-79 cents             | .6                         | .4     |   |        |                         |        |                      |        |  |        |                                   |        |
| 80-89 cents             | 3.9                        | 5.8    | 8.6   | 12.0   | 0.1                     | 0.7    | 0.5                  | 4.4    | 0.4                                      | 0.2    |                                   |        |
| 90-99 cents             | 8.3                        | 11.3   | 35.0  | 41.9   | 1.0                     | 6.8    | 4.1                  | 3.7    |  | .4     | .5                                | 1.0    |
| 100-119 cents           | 17.3                       | 19.3   | 44.2  | 39.0   | 23.1                    | 32.6   | 18.6                 | 38.0   | 2.8                                      | 5.2    | 1.5                               | 4.4    |
| 120-139 cents           | 23.7                       | 22.2   | 11.6  | 6.9    | 75.3                    | 57.7   | 66.8                 | 52.8   | 16.5                                     | 29.7   | 18.1                              | 32.2   |
| 140-159 cents           | 10.0                       | 9.0    | .4  | .2     | .5                      | 1.6    | 9.5                  | .9     | 65.8                                     | 48.2   | 47.3                              | 39.9   |
| 160-179 cents           | 7.0                        | 6.0    | .2  |        |                         | .6     |                      |        | 14.2                                     | 16.0   | 26.6                              | 20.0   |
| 180-199 cents           | 2.8                        | 2.5    | (?)   |        |                         |        | .5                   | .2     | .3                                       | .3     | 4.5                               | 1.5    |
| 200-224 cents           | 1.3                        | 1.0    |   |        |                         | (?)    |                      |        |  |        | 1.5                               | .5     |
| 225-249 cents           | .5                         | .4     |   |        |                         |        |                      |        |  |        |                                   |        |
| 250 cents and over      | .6                         | .5     |   |        |                         |        |                      |        |  |        |                                   |        |
| Total                   | 100.0                      | 100.0  | 100.0   | 100.0  | 100.0                   | 100.0  | 100.0                | 100.0  | 100.0                                    | 100.0  | 100.0                             | 100.0  |
| Number of workers       | 35,936                     | 42,731 | 3,308   | 3,604  | 3,601                   | 5,017  | 220                  | 432    | 1,265                                    | 1,533  | 199                               | 205    |
| Average hourly earnings | \$1.17                     | \$1.14 | \$1.04  | \$1.01 | \$1.19                  | \$1.16 | \$1.25               | \$1.16 | \$1.44                                   | \$1.40 | \$1.48                            | \$1.43 |
|                         |                            |        |   |        |                         |        |                      |        |  |        |                                   |        |
| Less than 60 cents      |                            |        | Messengers, foot<br>and bicycle                                   |        | Messengers,<br>motor    |        | Morse opera-<br>tors |        | Subscribers'<br>equipment<br>maintenance |        | Telephone op-<br>erators          |        |
| 60-64 cents             |                            |        |   |        |                         |        |                      |        |  |        |                                   |        |
| 65-69 cents             |                            |        |   |        |                         |        |                      |        |  |        |                                   |        |
| 70-74 cents             |                            |        | 83.9  | 89.2   |                         |        |                      |        |  |        |                                   |        |
| 75-79 cents             |                            |        | 14.7  | 10.3   |                         |        |                      |        |  |        |                                   |        |
| 80-89 cents             |                            |        | 1.4   | .5     | 8.9                     | 10.8   |                      |        |  |        |                                   |        |
| 90-99 cents             |                            |        |   |        | 18.7                    | 21.1   |                      |        |  |        |                                   |        |
| 100-119 cents           |                            |        |   |        | 52.5                    | 53.5   | 0.1                  |        |  |        |                                   |        |
| 120-139 cents           |                            |        |   |        | 19.0                    | 14.5   | 6.2                  | 7.6    |  | 0.4    | 42.0                              | 39.5   |
| 140-159 cents           |                            |        |   |        | .9                      | .1     | 74.5                 | 70.3   | 13.1                                     | 14.2   | 44.7                              | 36.3   |
| 160-179 cents           |                            |        |   |        |                         |        | 18.8                 | 21.2   | 24.5                                     | 28.0   | (?)                               | .1     |
| 180-199 cents           |                            |        |   |        |                         |        | .4                   | .8     | 60.8                                     | 56.8   |                                   |        |
| 200-224 cents           |                            |        |   |        |                         |        |                      |        | .1                                       | .6     |                                   |        |
| 225-249 cents           |                            |        |   |        |                         |        |                      |        |  | .2     |                                   |        |
| 250 cents and over      |                            |        |   |        |                         |        |                      |        |  |        |                                   |        |
| Total                   | 100.0                      | 100.0  | 100.0   | 100.0  | 100.0                   | 100.0  | 100.0                | 100.0  | 100.0                                    | 100.0  | 100.0                             | 100.0  |
| Number of workers       | 8,718                      | 9,256  | 965   | 1,301  | 1,348                   | 1,563  | 686                  | 542    | 2,421                                    | 2,795  |                                   |        |
| Average hourly earnings | \$0.67                     | \$0.67 | \$0.94  | \$0.94 | \$1.30                  | \$1.29 | \$1.55               | \$1.53 | \$1.12                                   | \$1.09 |                                   |        |

<sup>1</sup> Excludes officials and managerial assistants, professional and semiprofessional employees, telegraph office superintendents and managers, and sales employees.

<sup>2</sup> Less than 0.05 of 1 percent.

cents above those published in the 1948 annual FCC report. Seven of the 10 occupations studied showed increases ranging from 1 to 5 cents an hour; two occupations—foot and bicycle messengers and motor messengers—had the same averages

in 1949 as were reported in October 1948. Laborers received the largest increase in the year's period—9 cents.

Employees regularly employed within the continental United States by radiotelegraph carriers

TABLE 3.—Principal radiotelegraph carriers: distribution of employees,<sup>1</sup> by hourly earnings and selected occupations, October 1949 and 1948

| Hourly earnings         | All employees <sup>2</sup> |        | Marine coastal station operators |        | Mechanicians and maintenance technicians |        | Messengers, foot and bicycle |        | Radio operating technicians |        | Radio operators |        | Teletype-multiplex operators |        |
|-------------------------|----------------------------|--------|----------------------------------|--------|--|--------|------------------------------|--------|-----------------------------|--------|-----------------|--------|------------------------------|--------|
|                         | 1949                       | 1948   | 1949                             | 1948   | 1949                                     | 1948   | 1949                         | 1948   | 1949                        | 1948   | 1949            | 1948   | 1949                         | 1948   |
| Less than 60 cents      |                            | (0)    |                                  |        |  |        |                              |        |                             |        |                 |        |                              |        |
| 60-64 cents             |                            |        |                                  |        |  |        |                              |        |                             |        |                 |        |                              |        |
| 65-69 cents             |                            | 0.2    |                                  |        |  |        |                              |        |                             |        |                 |        |                              |        |
| 70-74 cents             | 0.2                        | 7.9    |                                  |        |  |        |                              |        |                             |        |                 |        |                              |        |
| 75-79 cents             | 13.7                       | 5.1    |                                  |        |  |        | 0.9                          | 98.6   | 38.6                        |        |                 |        |                              |        |
| 80-89 cents             | .4                         | 1.5    |                                  |        |  |        | 12.5                         |        |                             |        |                 |        |                              |        |
| 90-99 cents             | .5                         | 4.8    |                                  |        |  |        | 0.4                          | 1.1    | .2                          | .2     |                 |        |                              |        |
| 100-119 cents           | 11.9                       | 14.9   |                                  |        | 0.7                                      |        | 11.0                         | 10.8   | .8                          | .9     |                 |        |                              |        |
| 120-139 cents           | 17.1                       | 19.4   | 2.5                              | 9.2    | 20.0                                     |        | 16.5                         | .2     | .2                          | .6     | 3.4             |        | 2.2                          | 1.8    |
| 140-159 cents           | 20.4                       | 17.0   | 16.7                             | 24.9   | 32.8                                     | 28.6   |                              |        |                             | 9.9    | 17.5            | 24.2   | 34.5                         | 65.4   |
| 160-179 cents           | 11.4                       | 9.7    | 25.0                             | 13.5   | 11.0                                     | 12.8   |                              |        |                             | 20.2   | 20.2            | 21.8   | 16.1                         | 8.5    |
| 180-199 cents           | 8.4                        | 8.3    | 7.5                              | 17.0   | 15.9                                     | 9.4    |                              |        |                             | 17.7   | 23.3            | 27.4   | 36.6                         | .7     |
| 200-224 cents           | 10.5                       | 6.2    | 35.6                             | 24.1   | 8.5                                      | 6.8    |                              |        |                             | 43.2   | 24.6            | 26.3   | 10.4                         |        |
| 225-249 cents           | 3.4                        | 3.2    | 9.2                              | 10.6   | .4                                       | .3     |                              |        |                             | 5.0    | 10.1            |        |                              |        |
| 250 cents and over      | 2.3                        | 1.8    | 2.5                              |        |  |        | .3                           |        |                             | 3.4    | .6              |        |                              |        |
| Total                   | 100.0                      | 100.0  | 100.0                            | 100.0  | 100.0                                    | 100.0  | 100.0                        | 100.0  | 100.0                       | 100.0  | 100.0           | 100.0  | 100.0                        | 100.0  |
| Number of workers       | 3,830                      | 4,154  | 120                              | 141    | 283                                      | 351    | 523                          | 533    | 322                         | 326    | 380             | 403    | 413                          | 384    |
| Average hourly earnings | \$1.48                     | \$1.38 | \$1.81                           | \$1.80 | \$1.53                                   | \$1.41 | \$0.70                       | \$0.67 | \$1.96                      | \$1.80 | \$1.82          | \$1.73 | \$1.44                       | \$1.36 |

<sup>1</sup> Includes only those employees regularly employed within the continental United States and covered by the terms of the Fair Labor Standards Act.

<sup>2</sup> Excludes officers and assistants, professional and semiprofessional employees, office or station superintendents and assistants, and sales employees.

<sup>3</sup> Less than 0.05 of 1 percent.

averaged \$1.48 in October 1949—10 cents above the average reported in 1948. Radio-operating technicians, with an average of \$1.96, received the highest wage level of the selected occupations studied. Radio operators and marine coastal

station operators received 1949 averages of \$1.82 and \$1.81, respectively. The average hourly earning for mechanicians and maintenance technicians was \$1.53. The lowest wage level reported was for foot and bicycle messengers who averaged 70 cents an hour. All occupations studied showed increases of 1 to 16 cents in average hourly earnings during the year.

Cable operators of the principal ocean-cable carriers averaged \$1.95 in October 1949, a 4-cent increase over October 1948. Teletype-multiplex operators received \$1.47 an hour—an increase of 7 cents above their 1948 average. All workers employed as messengers, foot and bicycle, were reported as earning between 75 and 79 cents an hour in 1949, representing little change from the previous year. Earnings for all employees as a group averaged \$1.59 in 1949 and \$1.55 in 1948.

—L. EARL LEWIS

Division of Wage Statistics

TABLE 4.—Principal ocean cable carriers: distribution of employees,<sup>1</sup> by hourly earnings and selected occupations, October 1949 and 1948

| Hourly earnings         | All employees <sup>2</sup> |        | Cable operators |        | Messengers, foot and bicycle |        | Teletype-multiplex operators |        |
|-------------------------|----------------------------|--------|-----------------|--------|------------------------------|--------|------------------------------|--------|
|                         | 1949                       | 1948   | 1949            | 1948   | 1949                         | 1948   | 1949                         | 1948   |
| Less than 60 cents      |                            |        |                 |        |                              |        |                              |        |
| 60-64 cents             |                            |        |                 |        |                              |        |                              |        |
| 65-69 cents             |                            |        |                 |        |                              |        |                              |        |
| 70-74 cents             | 0.1                        | 0.1    |                 |        |                              |        |                              |        |
| 75-79 cents             | 14.4                       | 12.1   |                 |        | 100.0                        | 95.8   |                              |        |
| 80-89 cents             | 1.2                        | 1.3    |                 |        |                              |        |                              |        |
| 90-99 cents             | 1.4                        | 1.7    |                 |        |                              |        |                              |        |
| 100-119 cents           | 6.6                        | 12.0   |                 |        |                              |        |                              |        |
| 120-139 cents           | 12.7                       | 12.1   |                 |        | 0.6                          |        | 1.4                          | 40.0   |
| 140-159 cents           | 13.6                       | 12.9   | 0.7             | 3.3    |                              |        | 26.0                         | 24.8   |
| 160-179 cents           | 17.2                       | 18.5   | 10.7            | 11.6   |                              |        | 26.0                         | 23.9   |
| 180-199 cents           | 18.4                       | 15.4   | 80.6            | 77.8   |                              |        | 3.0                          |        |
| 200-224 cents           | 7.5                        | 8.1    | 7.3             | 6.1    |                              |        |                              |        |
| 225-249 cents           | 5.1                        | 2.6    | .7              |        |                              |        |                              |        |
| 250 cents and over      | 1.8                        | 3.2    | .6              |        |                              |        |                              |        |
| Total                   | 100.0                      | 100.0  | 100.0           | 100.0  | 100.0                        | 100.0  | 100.0                        | 100.0  |
| Number of workers       | 1,127                      | 1,132  | 150             | 181    | 162                          | 142    | 100                          | 109    |
| Average hourly earnings | \$1.59                     | \$1.55 | \$1.95          | \$1.91 | \$0.76                       | \$0.78 | \$1.47                       | \$1.40 |

<sup>1</sup> Includes only those employees regularly employed within the continental United States and covered by the terms of the Fair Labor Standards Act.

<sup>2</sup> Excludes officers and assistants, professional and semiprofessional employees, office or station superintendents and assistants, and sales employees.

<sup>1</sup> Data for this study were collected by the Federal Communications Commission as a part of its annual report. Under a cooperative arrangement, the Bureau of Labor Statistics has assumed the task of tabulating and publishing these materials. More detailed reports for the year 1949, similar to those published in previous years, are available upon request.

The earnings shown in these reports were computed by dividing weekly scheduled compensation by weekly scheduled hours. Thus, the figures shown would include premium rates for regularly scheduled overtime, if any.

The employees covered by this article exclude officials and managerial assistants, professional and semiprofessional employees, sales employees, and nonclerical business office employees.

## The Atomic Energy Program and Collective Bargaining

RECONCILING the unique characteristics of the atomic energy program with the voluntary, democratic requirements of collective bargaining has been a problem since the development of the industry during World War II. In the spring of 1949, a special commission appointed by President Truman formulated a policy designed to bridge the gap. A brief account follows of the National Planning Association's<sup>1</sup> study of the development of this policy and of over a year's successful operations under it.

### Background to Adoption of Policy

During the war, atomic energy installations were under Army control. In the interest of national security (secrecy and safety), union leaders pledged to give up any organizing activities at atomic energy installations for the duration of the war. After hostilities ended, the Secretary of War wrote to the National Labor Relations Board requesting that union organizing be permitted at Oak Ridge.

Apparent barriers to the development of normal collective bargaining in the atomic energy industry included the necessity for continuous operation of vital projects; maintenance of national security; and private operation of Government-owned plants and research facilities, making Government approval a requisite following the negotiation of any agreements affecting costs.

Under the Atomic Energy Act of 1946, the control, ownership, and products of atomic energy installations were placed in the hands of a civilian government agency (Atomic Energy Commission). The act stated that national policy on the development and utilization of atomic energy, subject to the paramount objective of assuring the common defense and security, shall so far as practicable, be directed toward improving the public welfare, increasing the standard of living, strengthening free competition in private enterprise, and promoting world peace.

The AEC interpreted its mandate to foster free enterprise, "so far as practicable," to include the encouragement of collective bargaining in its in-

stallations. Although over-all requirements might have immediately suggested the greater efficacy of compulsory measures, the AEC explored alternative measures that would preserve the voluntary features of true collective bargaining.

In 1948, a dispute arose during contract negotiations between locals of the AFL and the Carbide and Carbon Chemicals Corporation at the Oak Ridge National Laboratory. Negotiations continued during and beyond the 80-day period of an injunction issued under the Labor Management Relations Act of 1947, and the issues were finally "bargained out." According to the National Planning Association study, "the principal pressures on both parties to avoid a strike stemmed from a sense of patriotism and a sensitivity to public opinion. The union recognized that the public would construe any interruption as very close to sabotage. The contractor realized that any labor trouble leading to a stoppage would also subject him to careful scrutiny."

In submitting his report to the Congress on the outcome of the dispute, President Truman announced the appointment of a Commission on Labor Relations in Atomic Energy Installations,<sup>2</sup> whose function would be to concern itself with the "broad code of conduct which should be observed by management and labor in their relations with each other in this vital program."

### Experience Under Policy

The President's Commission began its task in October 1948 and submitted its report in April 1949.<sup>3</sup> The basis for the Commission's program was the acceptance of certain responsibilities by both unions and management. The panel of impartial labor experts proposed by the Commission was only to be used when (a) all ordinary means of direct negotiation and conciliation had been exhausted, and (b) the dispute seriously threatened a vital part of the atomic energy program. The procedures of the proposed panel were purposely left indefinite, in order to assure the maximum development of the voluntary collective-bargaining process, and to enable the panel to adopt whatever procedures were best suited to a particular dispute.

With respect to national security rules and their administration, the Commission held that these were completely the responsibility of the AEC. While the Commission did not go into the

question of cost control in its report to the President, it did submit a report directly to the AEC suggesting guides on this matter. Its recommendations included the issuance of broad directives by the AEC which would be made available to both unions and contractors, annual tripartite discussion of wage criteria, and the development of criteria for wages and fringe benefits.

The members of the Commission were subsequently appointed to the Atomic Energy Labor Relations Panel. This Panel derives its authority from both official and voluntary sources—the Commission's report and "status quo" pledges from contractors and unions to maintain production and services until after the Panel has determined an appropriate action.

A total of 11 cases came to the Panel between April 1949 and June 1950. Of these, 9 were settled and 2 were still pending at the time of the study. Various procedures were used in settling these disputes. Four were settled after the Panel was called in, but before it formally accepted them; one was settled by the Panel's repeated referral back to the parties for more bargaining; one was settled by arbitration; and two were mediated to settlement. The Panel made a formal recommendation on one case.

The author of the National Planning Association report concludes that "in its first 12 months, the Panel has succeeded in carrying out its assignment. There has been no interruption of vital atomic energy production, there has been no need for

special legislation or administrative compulsion, and collective bargaining in atomic energy has been preserved. It is, however, too soon to be sanguine. A wild-cat strike in production, such as the one that occurred in the Oak Ridge construction dispute in May, could result in a public demand for more stringent 'safeguards.' Continued management and union acceptance of the Panel will require extraordinary wisdom and skill on the part of its members as new cases come before them."

The atomic energy labor relations program has a wide significance. As the National Planning Association's Committee on the Causes of Industrial Peace Under Collective Bargaining states in a preface to the study: "In atomic energy, the experiment of not announcing in advance the precise nature of the Government's proposed action is being tried. Flexible and nonlegalistic techniques are being employed. From their institution and operation in the atomic energy industry may well emerge a 'common law,' based on experience and precedent, that will have implications for management-labor relations in other essential American industries."

<sup>1</sup> National Planning Association, Planning Pamphlet No. 71: The Development of a Policy for Industrial Peace in Atomic Energy, by Donald B. Straus, executive secretary, Atomic Energy Labor Relations Panel. Washington, 1950.

<sup>2</sup> The members of the President's Commission were William H. Davis (chairman), Aaron Horvitz, Edwin E. Witte. John T. Dunlop was consultant, and Donald B. Straus, executive secretary.

<sup>3</sup> For summary of report of the President's Commission and its recommendations concerning the Atomic Energy Labor Relations Panel, see Monthly Labor Review, June 1949 (pp. 661-662).

# Technical Notes

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## Methods of Constructing Tables of Working Life for Men

THE TABLES OF WORKING LIFE, which have been presented in a series of articles in the Monthly Labor Review,<sup>1</sup> represent an application of actuarial techniques and concepts to the working-life pattern of American men. In adapting the standard life table techniques, a number of departures from conventional methodology were introduced, however, partly because of the nature of the data and partly to facilitate the applications of the tables to labor-force analysis. Furthermore, the Tables of Working Life for men, by single years of age, presented in this study, omit several functions included in the conventional life tables<sup>2</sup> for ease in presentation.

For purposes of technical exposition, a portion of a more detailed Table of Working Life (for ages 14-49) is shown in the accompanying table. A description of the columns in this detailed table and of the methods of computation follows.

### *Year of Age ( $x$ to $x+1$ ) (Column 1)*

All of the variables in the table are expressed in terms of the exact birthday ( $x$ ) or of the interval between successive birthdays ( $x$  to  $x+1$ ), in accordance with standard life table practice.

### *Mortality Rate (1,000 $q_x$ ) (Column 2)*

The expected number of deaths between successive birthdays per 1,000 persons living at the beginning of the year of age are shown under the conditions of mortality prevailing at the time of the life table. The rate of mortality is the key-stone of the conventional life table, and all other variables pertaining to the life-table population and total life expectancy are derived from it.

The rates of mortality of males, by color and urban-rural residence, were derived from the United States Bureau of the Census, United States Abridged Life Tables, 1939, Urban and Rural, by Regions, Color and Sex. Single-year mortality rates for the separate color and residence groups were interpolated graphically from these tables, which presented rates at 5-year intervals only. The 1939 abridged tables were used in the present study, in preference to the Census Bureau's detailed United States Life and Actuarial Tables, 1939-41, because the former were the only official United States life tables presenting separate mortality rates by urban-rural residence.

Mortality rate differentials between urban and rural residents and between whites and nonwhites must be interpreted with caution. Evidence exists that reporting of deaths is less complete in rural areas than in urban districts. Under-registration of deaths of rural nonwhites is particularly pronounced in parts of the South. There is also evidence that rural residents are reported as residents of adjacent urban communities on death certificates. These biases have the effect of exaggerating the mortality differentials in favor of rural residents as shown in the life tables. However, available evidence (including earlier studies of differential mortality by occupation) indicates that death rates for men in the middle and upper-age spans would remain lower for the rural population as a whole than for urban residents, even after allowing for these biases.

### *Number Living at Beginning of Year of Age ( $l_x$ ) (Column 3)*

This column shows the number of persons who would survive to the age indicated from a group of 100,000 persons born alive, subject throughout life to the rates of mortality of column 2.<sup>3</sup>

Since the mortality rates were not available from the 1939 abridged tables for certain com-

bined groups (i. e., total males, total urban, and total rural) the corresponding  $l_x$  values for these groups were derived from these tables by a weighting procedure. Thus, for total males, the  $l_x$  values for total whites and nonwhites were weighted by their proportion of total male births, adjusted for under-enumeration, in the total population. The weighting ratios were based on the enumerated population of white and nonwhite males at age 2 in 1940, as shown in the 16th Census of Population, survived back to age 0 on the basis of the mortality rates for the respective groups, as shown in the 1939 life tables. Use of this method compensates for the relatively greater under-enumeration of nonwhite infants, which is largely concentrated in the first 2 years of life. A similar weighting procedure was used for developing the  $l_x$  functions for total urban and total rural males.

#### *Number Living in Year of Age ( $L_x$ ) (Column 4)*

The "stationary population"—or the number of persons who would be living in any age interval under the assumption of 100,000 live births annually, subject throughout life to the specified mortality rates—is shown in this column. Under these fixed conditions, if births were distributed evenly throughout each year and if there were no migration, a census taken at any time would always show the same total population and the same number of persons in each age interval.

On the assumption of an even distribution of deaths within each year of age, in ages 14 and over, the  $L_x$  function was computed by linear interpolation between the corresponding  $l_x$  values, as follows:

$$L_x = \frac{1}{2}(l_x + l_{x+1})$$

This method, though subject to some slight statistical bias, is consistent with prevailing actuarial practice.<sup>4</sup>

#### *Number of Man-Years of Life Remaining ( $T_x$ ) (Column 5)*

The total man-years of life remaining at a given age and at all succeeding years for persons alive at the exact year of age are given in this column. It may be expressed algebraically as follows:

$$T_x = \sum_{z=n}^{\infty} (L_z)$$

#### *Average Number of Years of Life Remaining ( $\bar{l}_x$ ) (Column 6)*

The average life expectancy of persons in the stationary population is measured from the exact year of age. It is computed by dividing the cumulative man-years of life remaining,  $T_x$ , by the number living at the beginning of the year of age,  $l_x$ . This column may also be defined as the average life expectancy of workers at any given age, if it is assumed that the mortality rates for persons in the labor force are identical with those for the total population.

No adequate information is available on differential mortality of workers and nonworkers. It is likely that men outside the labor force, particularly before age 60, have higher mortality rates, since they include a relatively large proportion of persons suffering from illness or serious disability. Moreover, it is frequently asserted that retirement, and the resulting difficulties in adjustment, tend to shorten the life span. On the other hand, persons who continue to work at advanced ages are more exposed to the possibility of death, through specific occupational hazard or as a result of their more active mode of life.

In the case of railroad workers, actuarial studies by the Railroad Retirement Board indicate relatively small differences in mortality rates between employees and annuitants retiring at age 60 or over, on the basis of age and service. (U. S. Railroad Retirement Board, Annual Report, 1946, pp. 86-89.) If this general pattern held true for the labor force as a whole, errors resulting from the assumption of identical death rates would be relatively small, since retirements remain quite low until the late fifties. For example, if it were assumed that mortality rates at ages prior to 60 of persons outside the labor force were twice as great as for the entire population, and if the mortality rates for those in the labor force were correspondingly adjusted, the work-life expectancy of men at age 30 would be increased by only 0.3 years.

#### *Percent of Population in Labor Force ( $w_x$ ) (Column 7)*

The percent of the population in the labor force, or the "worker rate," bears the same pivotal relationship to the estimates of working-life expectancy as does the mortality rate to the computation of total life expectancy. Unlike the mortality function, which describes a rate during a

specified time interval, the "worker rate" is based on a cross section of the population at a given point in time, such as the Census week of 1940. However, if it is assumed that the age-specific worker rates remain constant, apart from seasonal fluctuations, the differences between successive single-year worker rates at a given time may serve as a reasonable approximation of the net annual rates of labor-force accession or separation between successive ages, after allowing for mortality. This is a fundamental assumption inherent in the construction of Tables of Working Life.

In the Tables of Working Life, crude worker rates for men, by urban-rural residence, color, and single years of age were derived from the 1940 Census of Population, The Labor Force (Sample Statistics), Employment and Personal Characteristics, table 1. These rates could not be used directly in determining the underlying pattern of labor-force participation. Certain distortions and irregularities were introduced into these crude rates by the distribution of the institutional population and by biases in age reporting, as well as by random errors of sampling. In order to eliminate, where possible, the effects of such factors, the following adjustments were made:

(1) Redistribution of Institutional Population. Many mental and penal institutions are located in rural-nonfarm areas, although their inmates (all outside of the labor force, by Census definition) are drawn from both the urban and rural population. In April 1940, for example, 3.7 percent of all males 14 years or over in rural-nonfarm areas were inmates of institutions, compared with 1.0 percent of the urban residents. This depressed the crude worker rates in rural areas, in relation to urban areas. In the absence of specific data on the original residence of inmates of institutions, they were redistributed in proportion to the urban-rural distribution of the non-institutional population, by age and color.

The 1940 institutional population, prior to age 60, constituted a fairly small and stable percentage of the total population among white males, and therefore had no significant effect on age-to-age differences in worker rates. However, for nonwhite men, the percentage in institutions rose from

about 1.3 percent at age 14 to 3.4 percent at 27, and then declined among those in the forties and fifties. These variations distorted the underlying pattern of labor-force entries and separations for the nonwhite male population. For nonwhite males aged 18 to 65, the pattern of worker rates based on the noninstitutional population was therefore used, adjusted to the average level of the worker rate based on the total population for this period.

(2) Age-Reporting Bias. In addition to a tendency of respondents to report ages rounded to the nearest 0 or 5, other biases affected particular age groups in the population. Thus, in past censuses, there have been indications that older persons often tended to report themselves as younger for economic and personal reasons. At the upper age extremes, there has also been some tendency towards exaggeration of age. Analysis of the 1940 Census population data in relation to mortality data for 1930-40 revealed a new bias: a tendency for older persons below age 65 to report their age as 65 years or over. This tendency, particularly pronounced among nonwhites, appeared to have developed after 1936, the year old-age assistance programs under the Social Security Act became effective in most States. In the construction of United States Life Tables for 1939-41, the following redistribution of the male Negro population was made to allow for this bias:

|                         | Estimated male Negro population |          |            |
|-------------------------|---------------------------------|----------|------------|
|                         | Original                        | Adjusted | Difference |
| 55-59 years of age..... | 208,656                         | 218,324  | 9,668      |
| 60-64 years of age..... | 154,632                         | 168,242  | 13,610     |
| 65-69 years of age..... | 151,407                         | 128,129  | -23,278    |

Source: United States Life Tables and Actuarial Tables, 1939-41, (p. 112).

Since the apparent motive of this group for misreporting their ages appeared to be the desire to qualify for old-age assistance or pensions, it was assumed that a comparatively large proportion of such persons were outside the labor force. This appeared to be supported by the pattern of worker rates for urban nonwhites, which showed an exceptionally sharp drop at age 65, as compared with whites in the corresponding groups. Worker rates for nonwhite rural residents, whose old-age dependency problems differ substantially from those of the urban workers, did not appear to exhibit any such distortion. The nonwhite urban popu-

TABLE 1a.—Detailed table of working life, males, 1940

| (1)         | (2)  | (3)                                 | (4)            | (5)                                | (6)                                       | (7)                                  | (8)  | (9)                                | (10)                        | (11)   |
|-------------|--|-------------------------------------|----------------|------------------------------------|---|--------------------------------------|--|------------------------------------|-----------------------------|--|
| Year of age | Mortality rate   | Number living of 100,000 born alive |                |                                    | Average number of years of life remaining | Percent of population in labor force | Number in labor force, of 100,000 born alive |                                    |                             | Average number of years in labor force remaining |
|             | Number dying per 1,000 alive at beginning of year of age | At beginning of year of age         | In year of age | In year of age and all later years | At beginning of year of age               | In year of age                       | In year of age                               | In year of age and all later years | At beginning of year of age | At beginning of year of age                      |
|             | $x$ to $x + 1$   | $l_0 q_x$                           | $l_x$          | $L_x$                              | $T_x$                                     | $\bar{e}_x$                          | $w_x$  | $Lw_x$                             | $Tw_x$                      | $Iw_x$   |
| 14-15       | 1.5  | 92,184                              | 92,115         | 4,812,653                          | 52.2                                      | 6.1                                  | 88,113                                       | 4,111,252                          | 88,179                      | 46.6   |
| 15-16       | 1.7  | 92,042                              | 91,968         | 4,720,538                          | 51.3                                      | 12.2                                 | 87,972                                       | 4,023,139                          | 88,043                      | 45.7   |
| 16-17       | 1.8  | 91,890                              | 91,812         | 4,628,570                          | 50.4                                      | 23.0                                 | 87,823                                       | 3,935,167                          | 87,897                      | 44.8   |
| 17-18       | 2.0  | 91,725                              | 91,638         | 4,536,758                          | 49.5                                      | 38.9                                 | 87,656                                       | 3,847,344                          | 87,740                      | 43.8   |
| 18-19       | 2.2  | 91,542                              | 91,446         | 4,445,120                          | 48.6                                      | 57.1                                 | 87,473                                       | 3,759,688                          | 87,565                      | 42.9   |
| 19-20       | 2.4  | 91,341                              | 91,236         | 4,353,674                          | 47.7                                      | 71.9                                 | 87,272                                       | 3,672,215                          | 87,372                      | 42.0   |
| 20-21       | 2.5  | 91,122                              | 91,008         | 4,262,438                          | 46.8                                      | 80.6                                 | 87,054                                       | 3,584,943                          | 87,163                      | 41.1   |
| 21-22       | 2.7  | 90,890                              | 90,771         | 4,171,430                          | 45.9                                      | 85.6                                 | 86,827                                       | 3,497,889                          | 86,941                      | 40.2   |
| 22-23       | 2.7  | 90,648                              | 90,526         | 4,080,659                          | 45.0                                      | 89.1                                 | 86,593                                       | 3,411,062                          | 86,709                      | 39.3   |
| 23-24       | 2.9  | 90,400                              | 90,273         | 3,990,133                          | 44.1                                      | 91.6                                 | 86,351                                       | 3,324,469                          | 86,472                      | 38.4   |
| 24-25       | 3.0  | 90,142                              | 90,011         | 3,899,860                          | 43.3                                      | 93.1                                 | 86,100                                       | 3,238,118                          | 86,225                      | 37.6   |
| 25-26       | 3.0  | 89,876                              | 89,741         | 3,809,849                          | 42.4                                      | 94.0                                 | 85,842                                       | 3,152,018                          | 85,971                      | 36.7   |
| 26-27       | 3.1  | 89,602                              | 89,463         | 3,720,108                          | 41.5                                      | 94.7                                 | 85,578                                       | 3,066,176                          | 85,709                      | 35.8   |
| 27-28       | 3.2  | 89,320                              | 89,177         | 3,630,645                          | 40.6                                      | 95.1                                 | 85,302                                       | 2,980,600                          | 85,439                      | 34.9   |
| 28-29       | 3.3  | 89,030                              | 88,883         | 3,541,468                          | 39.8                                      | 95.4                                 | 85,024                                       | 2,895,258                          | 85,162                      | 34.0   |
| 29-30       | 3.4  | 88,732                              | 88,581         | 3,452,585                          | 38.9                                      | 95.6                                 | 84,732                                       | 2,810,277                          | 84,877                      | 33.1   |
| 30-31       | 3.6  | 88,426                              | 88,271         | 3,364,004                          | 38.0                                      | 95.6                                 | 84,436                                       | 2,725,545                          | 84,584                      | 32.2   |
| 31-32       | 3.7  | 88,112                              | 87,953         | 3,275,733                          | 37.2                                      | 95.7                                 | 84,131                                       | 2,641,109                          | 84,284                      | 31.3   |
| 32-33       | 3.9  | 87,796                              | 87,619         | 3,187,780                          | 36.3                                      | 95.7                                 | 83,812                                       | 2,558,978                          | 83,972                      | 30.5   |
| 33-34       | 4.1  | 87,444                              | 87,269         | 3,100,161                          | 35.5                                      | 95.6                                 | 83,452                                       | 2,473,166                          | 83,632                      | 29.6   |
| 34-35       | 4.3  | 87,096                              | 86,902         | 3,012,892                          | 34.6                                      | 95.6                                 | 83,060                                       | 2,389,714                          | 83,256                      | 28.7   |
| 35-36       | 4.5  | 86,711                              | 86,520         | 2,925,900                          | 33.7                                      | 95.5                                 | 82,636                                       | 2,306,654                          | 82,848                      | 27.8   |
| 36-37       | 4.7  | 86,321                              | 86,122         | 2,839,470                          | 32.9                                      | 95.4                                 | 82,173                                       | 2,224,018                          | 82,404                      | 27.0   |
| 37-38       | 5.1  | 85,911                              | 85,700         | 2,753,348                          | 32.0                                      | 95.3                                 | 81,664                                       | 2,141,845                          | 81,918                      | 26.1   |
| 38-39       | 5.4  | 85,477                              | 85,254         | 2,667,648                          | 31.2                                      | 95.1                                 | 81,109                                       | 2,060,181                          | 81,386                      | 25.3   |
| 39-40       | 5.8  | 85,016                              | 84,777         | 2,582,394                          | 30.4                                      | 95.0                                 | 80,501                                       | 1,979,072                          | 80,805                      | 24.5   |
| 40-41       | 6.2  | 84,522                              | 84,268         | 2,497,617                          | 29.5                                      | 94.8                                 | 79,849                                       | 1,898,571                          | 80,175                      | 23.7   |
| 41-42       | 6.6  | 83,998                              | 83,729         | 2,413,349                          | 28.7                                      | 94.5                                 | 79,162                                       | 1,818,722                          | 79,506                      | 22.9   |
| 42-43       | 7.0  | 83,444                              | 83,160         | 2,329,620                          | 27.9                                      | 94.3                                 | 78,442                                       | 1,739,560                          | 78,802                      | 22.1   |
| 43-44       | 7.6  | 82,856                              | 82,553         | 2,246,460                          | 27.1                                      | 94.1                                 | 77,681                                       | 1,661,118                          | 78,062                      | 21.3   |
| 44-45       | 8.2  | 82,227                              | 81,901         | 2,163,907                          | 26.3                                      | 93.9                                 | 76,865                                       | 1,583,437                          | 77,273                      | 20.5   |
| 45-46       | 8.8  | 81,533                              | 81,205         | 2,082,006                          | 25.5                                      | 93.6                                 | 75,996                                       | 1,506,572                          | 76,430                      | 19.7   |
| 46-47       | 9.6  | 80,832                              | 80,458         | 2,000,801                          | 24.8                                      | 93.3                                 | 75,069                                       | 1,430,576                          | 75,532                      | 18.9   |
| 47-48       | 10.3   | 80,060                              | 79,661         | 1,920,343                          | 24.0                                      | 93.0                                 | 74,078                                       | 1,355,507                          | 74,574                      | 18.2   |
| 48-49       | 11.1   | 79,235                              | 78,809         | 1,840,682                          | 23.2                                      | 92.7                                 | 73,026                                       | 1,281,429                          | 73,552                      | 17.4   |
| 49-50       | 12.0   | 78,352                              | 77,895         | 1,761,873                          | 22.5                                      | 92.3                                 | 71,909                                       | 1,208,403                          | 72,468                      | 16.7   |

lation was therefore redistributed on the basis of the above estimates, and worker rates were adjusted on the assumption that the population added to the younger age groups had the lower worker rates of the age group which they had reported, i. e., ages 65-69. The adjustment thus reduced the crude worker rates for urban non-whites between ages 55 and 64, and reduced somewhat the decline in worker rates in the vicinity of age 65.

(3) Smoothing of Worker Rates. The resultant worker rates still exhibited considerable year-to-year irregularities after the above adjustments. It was assumed that the true worker rates for the population were inherently smooth, except for

certain ages, such as 60, 65, or 70, when known institutional factors were operative.

Curve fitting with polynomials and by osculatory interpolation (using Jenkins' fifth difference formula) was attempted, but neither of these methods gave satisfactory results. A free-hand curve-fitting was therefore adopted.

#### Number in Labor Force in Year of Age ( $Lw_x$ ) (Column 8)

For ages 32 and over, the number in the stationary labor force was computed directly as the product of the stationary population ( $L_x$ ) and the worker rate ( $w_x$ ). For ages 14-31, inclusive, hypothetical  $Lw_x$  values were estimated by assuming that the same percentage of the population was

TABLE 1a.—Detailed table of working life, males, 1940—Continued

|                      | (12)                            | (13)                          | (14)                                 | (15)                             | (16)   | (17)                          | (18)                                    | (19)                          | (20)                                    | (21)                         |
|----------------------|---------------------------------|-------------------------------|--------------------------------------|----------------------------------|--|-------------------------------|---|-------------------------------|---|------------------------------|
| Year of age          | Mortality rate                  | Accessions to labor force     |                                      | Separations from the labor force |  |                               |   |                               | Retirement rate                         |                              |
|                      |                                 | Total                         | Due to death                         | Due to retirement                |  |                               |   |                               |   |                              |
|                      | Per 1,000 living in year of age | Number, of 100,000 born alive | Rate per 1,000 living in year of age | Number, of 100,000 born alive    | Rate per 1,000 in labor force in year of age | Number, of 100,000 born alive | Per 1,000 in labor force in year of age | Number, of 100,000 born alive | Per 1,000 in labor force in year of age |                              |
| <i>x to x + 1</i>    | <i>1,000 Q<sub>x</sub></i>      | <i>a<sub>x</sub></i>          | <i>1,000 A<sub>x</sub></i>           | <i>s<sub>x</sub></i>             | <i>1,000 Q<sub>x</sub><sup>d</sup></i>       | <i>d<sub>x</sub></i>          | <i>1,000 Q<sub>x</sub><sup>r</sup></i>  | <i>r<sub>x</sub></i>          | <i>1,000 Q<sub>x</sub><sup>w</sup></i>  | <i>1,000 r Q<sub>x</sub></i> |
| Between years of age |                                 |                               |                                      |                                  |  |                               |   |                               |   |                              |
| 14-15                | 1.6                             | 5,591                         | 60.7                                 | 9                                | 1.6  | 9                             | 1.6                                     |                               |   |                              |
| 15-16                | 1.7                             | 6,979                         | 108.5                                | 19                               | 1.7  | 19                            | 1.7                                     |                               |   |                              |
| 16-17                | 1.9                             | 14,459                        | 158.8                                | 40                               | 1.9  | 40                            | 1.9                                     |                               |   |                              |
| 17-18                | 2.1                             | 16,623                        | 181.4                                | 75                               | 2.1  | 75                            | 2.1                                     |                               |   |                              |
| 18-19                | 2.3                             | 13,507                        | 147.7                                | 120                              | 2.3  | 120                           | 2.3                                     |                               |   |                              |
| 19-20                | 2.5                             | 7,592                         | 86.5                                 | 164                              | 2.5  | 164                           | 2.5                                     |                               |   |                              |
| 20-21                | 2.6                             | 4,523                         | 49.7                                 | 191                              | 2.6  | 191                           | 2.6                                     |                               |   |                              |
| 21-22                | 2.7                             | 3,213                         | 35.4                                 | 210                              | 2.7  | 210                           | 2.7                                     |                               |   |                              |
| 22-23                | 2.8                             | 2,182                         | 24.1                                 | 226                              | 2.8  | 226                           | 2.8                                     |                               |   |                              |
| 23-24                | 2.9                             | 1,417                         | 15.7                                 | 240                              | 2.9  | 240                           | 2.9                                     |                               |   |                              |
| 24-25                | 3.0                             | 810                           | 9.0                                  | 251                              | 3.0  | 251                           | 3.0                                     |                               |   |                              |
| 25-26                | 3.1                             | 563                           | 6.5                                  | 262                              | 3.1  | 262                           | 3.1                                     |                               |   |                              |
| 26-27                | 3.2                             | 394                           | 4.4                                  | 271                              | 3.2  | 271                           | 3.2                                     |                               |   |                              |
| 27-28                | 3.3                             | 241                           | 2.7                                  | 280                              | 3.3  | 280                           | 3.3                                     |                               |   |                              |
| 28-29                | 3.4                             | 142                           | 1.6                                  | 288                              | 3.4  | 288                           | 3.4                                     |                               |   |                              |
| 29-30                | 3.5                             | 62                            | .7                                   | 296                              | 3.5  | 296                           | 3.5                                     |                               |   |                              |
| 30-31                | 3.6                             | 26                            | .3                                   | 304                              | 3.6  | 304                           | 3.6                                     |                               |   |                              |
| 31-32                | 3.8                             |                               |                                      | 320                              | 3.8  | 320                           | 3.8                                     |                               |   |                              |
| 32-33                | 4.0                             |                               |                                      | 360                              | 4.3  | 335                           | 4.0                                     | 25                            | 0.3                                     | 0.3                          |
| 33-34                | 4.2                             |                               |                                      | 392                              | 4.7  | 350                           | 4.2                                     | 42                            | .5                                      | .5                           |
| 34-35                | 4.4                             |                               |                                      | 424                              | 5.1  | 366                           | 4.4                                     | 58                            | .7                                      | .7                           |
| 35-36                | 4.6                             |                               |                                      | 463                              | 5.6  | 380                           | 4.6                                     | 83                            | 1.0                                     | 1.0                          |
| 36-37                | 4.8                             |                               |                                      | 509                              | 6.2  | 402                           | 4.9                                     | 107                           | 1.3                                     | 1.3                          |
| 37-38                | 5.3                             |                               |                                      | 555                              | 6.8  | 424                           | 5.2                                     | 131                           | 1.6                                     | 1.6                          |
| 38-39                | 5.6                             |                               |                                      | 608                              | 7.5  | 454                           | 5.6                                     | 154                           | 1.9                                     | 1.9                          |
| 39-40                | 6.0                             |                               |                                      | 652                              | 8.1  | 483                           | 6.0                                     | 169                           | 2.1                                     | 2.1                          |
| 40-41                | 6.4                             |                               |                                      | 687                              | 8.6  | 511                           | 6.4                                     | 176                           | 2.2                                     | 2.2                          |
| 41-42                | 6.8                             |                               |                                      | 720                              | 9.1  | 538                           | 6.8                                     | 182                           | 2.3                                     | 2.3                          |
| 42-43                | 7.3                             |                               |                                      | 761                              | 9.7  | 573                           | 7.3                                     | 188                           | 2.4                                     | 2.4                          |
| 43-44                | 7.9                             |                               |                                      | 816                              | 10.5   | 614                           | 7.9                                     | 202                           | 2.6                                     | 2.6                          |
| 44-45                | 8.5                             |                               |                                      | 869                              | 11.3   | 654                           | 8.5                                     | 215                           | 2.8                                     | 2.8                          |
| 45-46                | 9.2                             |                               |                                      | 927                              | 12.2   | 699                           | 9.2                                     | 228                           | 3.0                                     | 3.0                          |
| 46-47                | 9.9                             |                               |                                      | 991                              | 13.2   | 743                           | 9.9                                     | 248                           | 3.3                                     | 3.3                          |
| 47-48                | 10.7                            |                               |                                      | 1,052                            | 14.2   | 793                           | 10.7                                    | 259                           | 3.5                                     | 3.5                          |
| 48-49                | 11.6                            |                               |                                      | 1,117                            | 15.3   | 847                           | 11.6                                    | 270                           | 3.7                                     | 3.7                          |
| 49-50                | 12.5                            |                               |                                      | 1,186                            | 16.5   | 898                           | 12.5                                    | 288                           | 4.0                                     | 4.0                          |

<sup>1</sup> In ages 14-31 inclusive, hypothetical values of  $Lw_x$ ,  $Lw_x$ , and  $Tw_x$  were computed on the basis of the peak worker rate, at age 32, in order to eliminate the effect of labor-force accessions.

in the labor force as at age 32, and that the labor force at age 32 was smaller than that at age 14 by the number of deaths between these years:

$$Lw_{14-31} = L_{14-31}(w_{32})$$

This assumption was necessary in order to eliminate the effects of accessions when estimating the work-life expectancy of workers between the ages 14-31.

#### Number of Man-Years in Labor Force Remaining ( $Tw_x$ ) (Column 9)

The total number of man-years in the labor force remaining in the given year and all following years for persons in the labor force at the exact year of age is computed from the values in column 8 as follows:

$$Tw_x = \sum_{z=8}^{\infty} Lw_z$$

*Number in Labor Force, at Beginning of Year of Age ( $Lw_z$ ) (Column 10)*

The number of survivors of 100,000 persons born alive expected to be in the labor force at each exact year of age (or birthday) is shown in this column. On the assumption of an even distribution of labor-force separations between successive age intervals, it was computed by direct interpolation from the  $Lw_z$  values of column 8, as follows:

$$Lw_z = \frac{1}{2} (Lw_{z-1} + Lw_z)$$

*Average Number of Years in Labor Force Remaining ( $rev_z$ ) (Column 11)*

The average work-life expectancy of persons in the labor force at a given age is computed by dividing the total remaining ( $Tw_z$ ) man-years in the labor force by the number in the labor force at the beginning of the year of age ( $Lw_z$ ).

*Mortality Rate, Between Successive Years of Age (1,000  $Q_z$ ) (Column 12)*

This and the following columns of the detailed Table of Working Life trace the development of the estimated rates of labor-force entry and of separation between successive years of age. These mortality rates differ, conceptually, from those of the standard life table in one important respect. The conventional mortality rate (1,000  $q_z$ ) expresses the number of deaths expected between two exact age intervals (or birthdays) as a ratio to the number alive at the beginning of the year of age ( $L_z$ ). In the Tables of Working Life, the mortality rate between successive years of age (1,000  $Q_z$ ) is based on the stationary population ( $L_z$ ), and expresses the number of deaths expected within an interval of 1 year as a ratio to the stationary population within the initial year of age. This rate is derived directly from the successive differences in the stationary population (column 4) as follows:

$$Q_z = \frac{L_z - L_{z+1}}{L_z}$$

This modification has been introduced into the Tables of Working Life in order to facilitate the application of the derived rates of labor-force entry and separation to available population and labor-

force data, which are almost invariably in terms of the attained age.

It should be noted that the above rate may readily be expressed in terms of the conventional mortality rate. If it is assumed that deaths of persons of working age are distributed evenly within each year of age, then the stationary population in any year of age ( $L_z$ ) would equal the number of survivors at the mid-year of age. The mortality rate between successive years of age per 1,000 in the stationary population (1,000  $Q_z$ ) therefore equals the mortality rate per 1,000 living at the exact mid-year of age (1,000  $q_{z+1/2}$ ).

*Accessions to the Labor Force (Columns 13 and 14)*

The net number of persons entering the stationary labor force between successive years of age ( $a_z$ ) (column 13) is computed from the net increments in the stationary labor force, up to age 32, after allowing for the probability of deaths among workers during the year:

$$a_z = Lw_{z+1} - Lw_z + Lw_z (Q_z)$$

The rate of accessions (column 14), per 1,000 persons in the stationary population, becomes in turn:

$$1,000 A_z = \frac{1,000 a_z}{L_z}$$

Since the number and rate of accessions are derived from the net changes in the worker rates, no accessions are shown beyond the age of the peak worker rate (i. e., age 32).

*Separations from the Labor Force (Columns 15 and 16)*

The net number of persons separated from the stationary labor force between successive years of age is shown in column 15. From age 32 on, this was derived from the decrease in the stationary labor force between successive years of age:  $s_z = Lw_z - Lw_{z+1}$ .

The annual rate of labor-force separation between successive years of age was therefore:

$$1,000 Q_s = \frac{1,000 s_z}{Lw_z}$$

Between ages 14 and 32, it was assumed that labor-force separations were due solely to death, and therefore:

$$Q_z^* = Q_z \text{ and } s_z = Lw_z(Q_z)$$

Since some workers become permanently disabled and are forced to withdraw from the labor force before age 32, a slight understatement of the true separation rate for these ages has resulted. The error, however, is believed to be statistically insignificant.

#### *Separations From the Labor Force Due to Death or Retirement (Columns 17-21)*

These columns (17-21) show the expected number of workers to be separated from the stationary labor force between successive years of age, because of death or retirement ( $d_z$ ,  $r_z$ ), and the corresponding probabilities, (1,000  $Q_z^*$ , 1,000  $Q_z$ ). Also shown is the derived rate of retirement (1,000  $rQ_z$ ).

In order to determine these functions, it was necessary to assume that the age-specific death rate for persons in the labor force was the same as that for the population as a whole. Given the separation rate and the death rate, it was possible to derive the probability of separation due to death or retirement for ages 32 and over, and the retirement rate.

The probability of death or retirement differs significantly from the corresponding rate. For example, the probability of death is defined as the ratio of the number of separations from the labor force because of death during a year, to the number of persons in the stationary labor force at the beginning of the year, i. e.,  $(Q_z^* = \frac{d_z}{Lw_z})$ . The death rate, however, is the number of deaths within the labor force divided by the number of workers exposed to death. On the assumption that retirements are distributed evenly within each year of age, the average person retiring is exposed to death, as a worker, for only half a year. The total number of workers exposed to death during the year would then be the number at the beginning of the year less half of those retiring, i. e.,  $Lw_z - \frac{1}{2}r_z$ . The death rate, for persons in

the labor force, may therefore be expressed as:

$$Q_z = \frac{d_z}{Lw_z - \frac{1}{2}(r_z)}$$

Similarly, the probability of retirement is:

$$Q_z^* = \frac{r_z}{Lw_z}$$

and the rate of retirement is:

$$rQ_z = \frac{r_z}{Lw_z - \frac{1}{2}(d_z)}$$

Solving algebraically, the respective formulae for the probabilities of death and retirement were computed as follows:

$$Q_z^* = \frac{Q_z(2-Q_z)}{2-Q_z}, \text{ and } Q_z = Q_z^* - Q_z^*$$

The retirement rate was also derived from the probabilities of death and retirement, as follows:<sup>1</sup>

$$rQ_z = \frac{2Q_z^*}{2-Q_z^*}$$

Finally, the number of deaths and retirements from the labor force were computed as the product of the stationary labor force and the respective probabilities.

$$d_z = Lw_z(Q_z^*); r_z = Lw_z(Q_z)$$

—HAROLD WOOL  
Division of Manpower and Productivity

<sup>1</sup> The Tables of Working Life and findings based on these tables have been presented in a series of articles in the Monthly Labor Review, July to October 1950 issues. These materials are also presented, in more detail, in BLS Bulletin 1001, Tables of Working Life, Length of Working Life for Men.

<sup>2</sup> For detailed descriptions of the standard life table, see Dublin, Lotka, and Spiegelman, *The Length of Life*, Roland Press, 1949 and Thomas N. E. Greville, United States Life and Actuarial Tables, 1939-41 (Sixteenth Census of the United States: 1940).

<sup>3</sup> The use of an initial group of 100,000 is consistent with standard life table practice, and is designed for ease in computing life-table values. This has resulted, however, in some cases, in presenting data in a greater number of places than is warranted by the statistical reliability of the data.

<sup>4</sup> United States Life and Actuarial Tables, 1939-41 (p. 133).

<sup>5</sup> The retirement rate may also be derived directly from the differences between successive worker rates for ages 32 and over:

$$rQ_z = \frac{w_z - w_{z+1}}{w_z}$$

Differences between the two methods are due solely to rounding.

# Recent Decisions of Interest to Labor<sup>1</sup>

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## Wages and Hours<sup>2</sup>

*Portal Act—Principal Activities; Enforcement of Injunction.* A Federal district court held<sup>3</sup> that "clean-up" activities of employees performed prior to their scheduled working time were principal, rather than preliminary, activities within the meaning of the Portal-to-Portal Act of 1947. They were therefore held to be within coverage of the overtime compensation provisions of the Fair Labor Standards Act, even though such activities were not made compensable by custom or by the employment contract.

The court pointed out that the employees were instructed to do this work on their regular shift, but performed it prior to the shift so that their remaining duties during the shift would not be onerous. They did not expect compensation for the pre-shift work. No contract, custom, or practice provided for pre-shift time; but this fact was held not to relieve the employer of liability under the overtime provisions of the FLSA. The Portal Act, relieving employers of liability for work not compensable by contract or custom, was directed, the court stated, at activities such as walking time, which were not part of the employee's principal activity. The "principal activity," as referred to in the Portal Act, the court said, included any activity required of the employee.

Proceedings had been brought by the Administrator against the employer for civil contempt of an injunction issued by the court in 1940. The injunction had restrained in general terms violation of the minimum wage, overtime, record-keeping, and shipping provisions of the FLSA. Failure by the employer to pay overtime for the preshift activities, the court held, violated the injunction, which, although couched in the general language of the statute, was held to be sufficiently descriptive to provide a basis for the contempt action. That the violations were not intentional did not prevent liability for civil contempt, said the court, citing as authority a recent United States Supreme Court decision.<sup>4</sup> On the basis of such authority the court also ruled that, to purge himself of contempt, the employer was compelled to make restitution of back wages owing to the employees, plus a fine to compensate the Government for investigation and presentation of the case.

The court refused to order restitution of wages due for any time prior to 2 years immediately preceding the commencement of the contempt proceedings. The statute of limitations prescribed by the Portal Act applied, it held, to these proceedings because, at least with regard to restitution of wages, the employees, rather than the Government, were the real parties in interest. Since the statute of limitations applied to the employees, the court said, it should also apply to the party bringing suit for their benefit.

## Labor Relations

*Secondary Boycott.* (1) The Court of Appeals of the District of Columbia held<sup>5</sup> that picketing a building project on which nonunion men were employed by a subcontractor did not violate sections 8 (b) (4) (A) of the Labor Management Relations (Taft-Hartley) Act.

Although a side product of such activity might be to force the contractor to cease doing business with the subcontractor, the picketing constituted primary action which the act was not designed to curtail. Specific approbation was given to NLRB decisions<sup>6</sup> excepting primary activities from the secondary boycott prohibitions. Stress was laid on the fact that the picketing was at premises where the protested labor conditions existed. In the court's view, the contractor-subcontractor relationship is a close one; the principal contractor was at least partially responsible for conditions at the project, and therefore he might also be a legitimate object of the picketing. It was observed that the contractor and subcontractor were not being forced to cease doing business with one another at other locations or to cease buying and selling between themselves, so that the prohibited objective was absent.

The court did not expressly state that its decision differed from that of another court of appeals,<sup>7</sup> but indicated the similarity of the issues, noted the difference between conclusions, and quoted from the dissenting opinion in the other case.

Preliminary to its main conclusion, the court held that an earlier determination by<sup>8</sup> another Federal court in a proceeding for a preliminary injunction was not *res judicata* on the jurisdiction question currently presented. Jurisdiction was considered afresh and it was concluded that the NLRB had not exceeded its power in processing the case. The other court had ruled that the Board lacked jurisdiction.

(2) Inducement of employees of secondary employers by representatives of a striking union, if it only invites action at the premises of the primary employer, is not prohibited by section 8(b)(4)(A) of the act, the NLRB ruled.<sup>9</sup>

Members of the union struck against their employer, a New York City subway newsstand operator (Interborough), which had recognized and bargained with the union. Only a few of the subway entrances were picketed. It was not disputed, the Board found, that the stations were, for the purposes of the labor controversy, the prem-

ises of the primary struck employer. Business representatives of the striking union advised and instructed other union members who were delivery employees of various newspapers not to make deliveries to the newsstands of Interborough. Such deliveries were not made, although the drivers handled newspapers sent to other stands.

An earlier Board case<sup>8</sup> was cited as authority in reaching the conclusion that appeals to drivers of a secondary employer did not violate the act. In the cited case, the striking union had requested another union, representing employees of another employer, to respect its picket lines. That conduct, the Board had held, constituted traditional primary strike action, which was not within the purview of section 8 (b) (4) (A).

The Board expressly refused to pass upon applicability of the following proviso to section 8 (b) (4):

*Provided*, That nothing contained in this subsection (b) shall be construed to make unlawful a refusal by any person to enter upon the premises of any employer (other than his own employer), if the employees of such employer are engaged in a strike ratified or approved by a representative of such employees whom such employer is required to recognize under this act.

The trial examiner had discussed the quoted language at length, and concluded that it removed from the operation of section 8 (b) (4) a labor organization's attempt to persuade employees not to enter on the premises of a primary employer under the conditions specified.

*Refusal To Bargain—Effect of State Court Injunction.* A court of appeals<sup>10</sup> rejected a company defense that a State court injunction precluded enforcement of an NLRB order to bargain, but in almost the same breath it stated that the order could not require the company to bargain during the life of the injunction.

Shortly after the charging union was certified (in July 1947), an independent union secured an injunction restraining the company from "renouncing or disclaiming" its contract with the independent, which included the same unit. The Board, holding that the State court injunction did not excuse the company's refusal to bargain, issued an order, 2 months after the injunction had been dissolved, directing the company to bargain.

The court observed that the State court's order precluded effective bargaining with the certified representative, as such bargaining would require violation of the injunction. "At least," the court said, "respondent was entitled to a reasonable time in which to secure a modification or dissolution of the State court order." However, the defense to enforcement was rejected on the ground that the injunction had been dissolved before issuance of the Board order and filing of the petition for enforcement.

Apparently, although the court did not so declare, the refusal violated the NLRA but could not be prohibited while the restraining order continued in force. Willingness to enforce the Board order was indicated by the court, but it remanded the case to the Board for further evidence on another issue.

*Refusal to Bargain—Union Coercion.* A company did not violate section 8 (a) (5), the NLRB held,<sup>11</sup> in refusing to bargain with a union presenting 8 authorization cards for a unit of 14 employees, although uncontradicted evidence showed that the union's principal solicitor had threatened two employees before they signed cards. The two employees stated they had been told, "if I didn't join I'd be one of the first to go out," and "it is sign, or else."

Such statements, the Board concluded, were not "mere predictions of the consequences of a future authorized union security agreement" as the trial examiner had held, in reliance upon an earlier Board decision.<sup>12</sup> The Board distinguished the two cases and construed the organizer's remarks in the instant case to constitute "threats of present loss of employment if the employees refused to become members." Therefore, the company did not illegally refuse to bargain, as there was substantial doubt that the union represented an uncoerced majority of its employees.

*Six Months Statute of Limitations—Liability of Successor Corporation.* Supplementary proceedings, such as one to determine whether a corporation is a "successor" liable for unfair labor practices of a company with which it has merged, are not limited by the 6-month "statute of limitations" of section 10 (b) of the LMRA, the NLRB declared.<sup>13</sup> In the original proceeding, the predecessor company had been found to have violated the act, and an order had been issued against it.

Factors influencing the decision that the corporation (Universal Parts, Inc.) was a jointly liable "successor" of the company (Autopart) included the following. Autopart had been a wholly owned subsidiary of Universal. Autopart merged with Universal under an agreement pursuant to Illinois law. Under that law, Universal was required to assume all liabilities of Autopart; any claim or proceeding then pending against Autopart might not only be prosecuted to judgment after the merger as if there had been no merger, but might also be prosecuted against Universal in lieu of Autopart. The transfer took place after issuance of the intermediate report, which contained findings of the unfair labor practices found by the Board; during the period covered by such findings the labor policy of Autopart and Universal had been controlled by individuals serving in a dual capacity as the top management of both corporations.

Section 10 (b), the Board held, imposes a 6-month statute of limitations only upon issuance of complaints and not with respect to supplementary proceedings such as were involved in this case. No charge had been made that the original complaint violated section 10 (b). Another provision (section 10 (d)), authorizing the Board to modify its decisions, was cited as authority for the instant procedure. Supplementary proceedings under 10 (d) do not require filing of a charge or issuance of a complaint. On this reasoning, the Board rejected the argument that the proceeding was defective because it was not in accordance with the time limitations of section 10 (b).

**Representation Procedure—Union Security.** A clause in a current collective-bargaining agreement provided that in the case of a vacancy the employer was to inform the contracting union, which would notify its membership and furnish management with a list of "employees" who wished to bid for the job. It specified that if no bidder qualified, or no one bid, the employer "may otherwise fill the vacancy."

No union-authorization referendum had been held, and another union filed a representation petition for the unit covered by the contract.

It was held<sup>14</sup> by the Board that the provision did not constitute an illegal union-security provision which would remove the contract as a bar to an election. Nor was its mere existence a restraint upon employees desiring to refrain from union activities, as contended by the petitioning union, so as to take the agreement out of the normal contract bar rule. Accordingly, the petition was dismissed.

**Representation Procedure—Recognition Not a Bar.** Despite current recognition by, and contractual relations with, the employer, and despite its status as successor to a previously certified union, a petitioning labor organization was held<sup>15</sup> by the Board to be entitled to an election in which it could procure a fresh certification in its own name.

The original certification was issued in 1944. Since that time the local union had twice changed its affiliation, most recently during the life of a contract which was still in force when the petition for an election was filed. Prior to filing of the petition, the employer and the union had executed a supplementary agreement granting recognition to the petitioner under its latest name. No other union had sought recognition or asserted any claim to represent the employees in the unit covered by the contract and petition.

A company contention that the contract barred an election was rejected by the Board because the contract contained a union-security provision and no authorization referendum had been held. Section 102 of the act, which under certain circumstances preserves the validity of pre-Taft-Hartley contracts, did not protect this contract, the Board stated, although it had been entered into prior to June 21, 1947. The contract had been renewed and extended since that time and hence was outside the coverage of the section.

The Board had previously held that a union need not be denied employer recognition as a condition to securing a Board election.<sup>16</sup> In seeking dismissal of the instant petition, the company pointed out that in the earlier case the petition had been filed when no contract was in force. The Board decided that this circumstance did not create a significant difference, and ordered an election.

A further company contention was that any election must be conditioned upon union adoption of the current contract for the remainder of its term, if the election were won and a certification issued. Once again, the Board declined to pass upon the status of a contract and the rights of the parties thereto when an election is ordered during the term of the contract.

**Appropriate Unit—Withdrawal from Association-wide Unit.** Power to withdraw from an association bargaining group so as to change the appropriate unit from a multi-employer to a single-employer unit was limited by a recent decision of the NLRB.<sup>17</sup> The Board dismissed a petition limited to drivers of a company which had withdrawn from an employer association so far as bargaining with drivers was concerned, but remained in the group for bargaining with other employees. For 20 years that employer had bargained through the association, in concert with the other members, for several association-wide units, including one for drivers.

**Bankruptcy Act—Pension Payments.**—A prayer for an injunction restraining a trustee in reorganization of a bankrupt company from paying pension benefits in accordance with a collective-bargaining agreement was denied by a Federal court.<sup>18</sup> At the time of filing the petition, under chapter 10 of the Bankruptcy Act, the company was party to a labor agreement which provided for payment of certain pensions to certain classes of employees who had retired or were to retire. The court found that this contract had not been "assumed" by the trustee within the meaning of pertinent provisions of the act, but that the terms of the contract had been knowingly followed.

Declaring that the act did not specifically govern the question presented, the court denied the request for an injunction on equitable grounds so long as there was knowing adherence to the terms of the agreement. This ruling, however, was declared to be without prejudice to any further action of the parties. The court enjoined payments to other retired employees who were not covered by the contract and not parties to this proceeding until such time as those employees secured an adjudication of their rights.

### Decisions of State Courts

**California—Picketing to Induce Breach of Contract Lawful.** A union sought to organize the employees of an employer engaged in installing, leasing for hire, servicing, and maintaining burglar alarm equipment. Union agents called upon customers having contracts with the employer for leasing and servicing alarm systems, and asked them to use systems installed and maintained by union men. When the customers refused to comply, union members picketed their places of business. The employer sought an injunction against such picketing in a California superior court, on the ground that it induced a breach of contract.

The court refused<sup>19</sup> to grant the injunction. It held that the union's objective in picketing—to get the employer's employees to join the union—was reasonably related to betterment of labor conditions. It was, therefore, lawful activity, the court stated, in which the right to engage was guaranteed by the Federal Constitution as an incident of free speech. The means used for accomplishment of this objective were also held to be lawful. The court pointed out that the places where the employer's equipment had been installed and maintained were proper

and effective places in which to tell the public about the labor controversy. When one sells a product of an employer engaged in a labor dispute, he is to be regarded as an ally of such employer, the court held. The fact that the picketing might induce a breach of contract between the employer and his customers was held to be no ground for an injunction. The court pointed out that not every act causing loss was wrongful or preventable in the courts. Allegations that the union had engaged in threats, violence, and misrepresentation were held to be unsupported by the evidence.

<sup>1</sup> Prepared in the U. S. Department of Labor, Office of the Solicitor.

The cases covered in this article represent a selection of the significant decisions believed to be of special interest. No attempt has been made to reflect all recent judicial and administrative developments in the field of labor law or to indicate the effect of particular decisions in jurisdictions in which contrary results may be reached, based upon local statutory provisions, the existence of local precedents, or a different approach by the courts to the issue presented.

<sup>2</sup> This section is intended merely as a digest of some recent decisions involving the Fair Labor Standards Act and the Portal-to-Portal Act. It is not to be construed and may not be relied upon as interpretation of these

acts by the Administrator of the Wage and Hour Division or any agency of the Department of Labor.

<sup>3</sup> *Tobin v. Alma Mill* (W. D. S. C., Sept. 8, 1950).

<sup>4</sup> *McComb v. Jacksonville Paper Co.* (336 U. S. 187).

<sup>5</sup> *Denver Building & Construction Trades Council v. National Labor Relations Board* (C. A., D. C., Sept. 1, 1950).

<sup>6</sup> *In re Oil Workers International Union, Local No. 348* (CIO) (84 NLRB 315); *In re United Electrical, Radio & Machine Workers* (Ryan Construction Corp.) (85 NLRB 417).

<sup>7</sup> *International Brotherhood of Electrical Workers v. National Labor Relations Board* (C. A., 2d Cir., 1950, 181 F. 2d 34).

<sup>8</sup> *In re Newspaper & Mail Deliverers' Union of New York & Vicinity* (90 NLRB No. 297, Aug. 24, 1950).

<sup>9</sup> *In re Oil Workers International Union, Local No. 348* (CIO) (84 NLRB 315).

<sup>10</sup> *National Labor Relations Board v. Grace Co.* (C. A., 8th Cir., Sept. 18, 1950).

<sup>11</sup> *In re Lernes Shops of Alabama, Inc.* (91 NLRB No. 22, Sept. 8, 1950).

<sup>12</sup> *In re Tennessee Coach Co.* (84 NLRB 703).

<sup>13</sup> *In re Autopart Manufacturing Co.* (91 NLRB No. 11, Aug. 30, 1950).

<sup>14</sup> *In re Northern Indiana Public Service Co.* (91 NLRB No. 32, Sept. 8, 1950).

<sup>15</sup> *In re Acme-Evans Co., Inc.* (90 NLRB No. 293, Aug. 22, 1950).

<sup>16</sup> *In re General Box Co.* (82 NLRB 678).

<sup>17</sup> *In re Coca-Cola Bottling Works Co.* (91 NLRB No. 57, Sept. 20, 1950).

<sup>18</sup> *In re Schenectady Railway Co.* (N. D., N. Y., Sept. 1, 1950).

<sup>19</sup> *Hume v. International Brotherhood of Elec. Workers, Local No. 11* (Calif. Super. Ct., L. A. County, Aug. 30, 1950).

"Employees have as clear a right to organize and select their representatives for lawful purposes as the respondent has to organize its business and select its own officers and agents. Discrimination and coercion to prevent the free exercise of the right of employees to self-organization and representation is a proper subject for condemnation by competent legislative authority. Long ago we stated the reason for labor organizations. We said that they were organized out of the necessities of the situation; that a single employee was helpless in dealing with an employer; that he was dependent ordinarily on his daily wage for the maintenance of himself and his family; that if the employer refused to pay him the wages he thought fair, he was nevertheless unable to leave the employ and resist arbitrary and unfair treatment; that union was essential to give laborers opportunity to deal on an equality with their employer . . ."

—Chief Justice Hughes in the case of *National Labor Relations Board v. Jones & Laughlin Steel Co.* 301 U. S. 57 Sup. Ct. 615 (1937).

# Chronology of Recent Labor Events

## September 13, 1950

THE NATIONAL LABOR RELATIONS BOARD, in the case of *Albin Becker and Progressive Mine Workers of America*, ruled that an individual may not "front" for a union which has not complied with the non-Communist affidavit requirements of the Labor Management Relations Act, in order to obtain a Board election to decertify another union. (Source: NLRB release R-339, Sept. 13, 1950.)

AN EMERGENCY BOARD appointed by the President refused to rule on the grievances of 4 railroad brotherhoods against the New York Central Railroad Co. and rebuked them for "creating an emergency" to avoid processing their claims through the National Railroad Adjustment Board. This Board is designated by the Railway Labor Act to handle grievances arising from collective-bargaining agreements in the railway industry. (Source: Labor Relations Reporter, vol. 26, No. 41, 26 LRR, p. 293.)

## September 14

THE SECRETARY OF LABOR in a letter to the president of the International Longshoremen's Association (AFL) urged the union to lift its boycott of cargoes from Russia and her satellites, because "the matter does not lend itself to such a simple and direct solution" (see Chron. item for Sept. 8, 1950, MLR, Oct. 1950). (Source: Letter of Secretary of Labor dated Sept. 14, 1950.)

On September 20, union officials instructed locals to "work all cargoes to and from Russian satellite countries." (Source: New York Times, Sept. 21, 1950.)

## September 15

THE ADMINISTRATOR of the U. S. Labor Department's Wage and Hour Division refused to permit the Western Union Telegraph Co. to employ messengers at hourly wages below the 75-cent minimum prescribed by the Fair Labor Standards Act of 1938, as amended. (Source: Federal Register, vol. 15, No. 182, Sept. 20, 1950, p. 6298.)

THE GENERAL ELECTRIC Co. reached agreement with the International Union of Electrical, Radio, and Machine Workers (CIO) on new contract terms, including provision for cost-of-living wage adjustments (upward only), \$125 contributory monthly pensions (including Social

Security benefits), and a general wage increase of 10 cents an hour. Sporadic strikes, which started on August 30, eventually had idled about 40,000 workers. (Source: CIO News, Sept. 25, 1950, p. 2.)

On September 17, the United Electrical, Radio, and Machine Workers (Ind.) signed a contract with GE, which did not include a cost-of-living provision, but instead provided for 6-month wage reopenings. (Source: New York Times, Sept. 18, 1950.)

## September 16

PRESIDENT TRUMAN formally accepted the resignation of Robert N. Denham, general counsel of the NLRB, making it effective as of September 18. (Source: White House release, Sept. 16, 1950.)

## September 17

DISTRICT 50 of the United Mine Workers of America (Ind.) reached agreement with the Syracuse Plant of the Solvay Process Division of the Allied Chemical and Dye Corp. to end its 97-day strike. The union dropped its pension demands, but won a 10-cent hourly wage increase retroactive to June 12, 1950, an additional 5-cent hourly rise on June 12, 1951, and cost-of-living wage adjustments. (Source: New York Times, Sept. 18, 1950.)

## September 18

THE AMERICAN FEDERATION OF LABOR opened its 69th annual convention at Houston, Tex. (Source: AFL Weekly News Supplement, Sept. 19, 1950; for discussion, see p. 553 of this issue.)

## September 20

THE NLRB, in a case involving the *Elk Lumber Co. of Medford, Oreg., and Local No. 3063, Lumber and Sawmill Workers Union (AFL)*, ruled that five employees who decreased production while remaining on the job, did not come under section 7 of the LMRA which guarantees to employees the right to engage in concerted activities for the purpose of self-organization or collective bargaining. (Source: NLRB release R-340, Sept. 24, 1950.)

## September 23

THE INTERNAL SECURITY ACT OF 1950 became law after passage over the veto of the President. (Source: Congressional Record, vol. 96, No. 190, Sept. 23, 1950, p. 15872, and White House release, Sept. 22, 1950.)

## September 25

THE NLRB, in the case of *Morand Bros. Beverage Co., et al. and Local 62 of the Distillery, Rectifying and Wine Workers' International Union of America (AFL)*, ruled that an association of employees may call a strike against one employer in an association and try to get a separate contract, without violating the LMRA. The employers may not retaliate by discharging all their employees who are represented by the union. (Source: NLRB release W-158, Oct. 4, 1950.)

**September 28**

ROBERT T. CREASEY, of the Communications Workers of America (CIO) was given an interim appointment by the President as Assistant Secretary of Labor to fill the vacancy created by the resignation of John W. Gibson on August 31. (Source: U. S. Dept. of Labor Press Service, week of Oct. 2, 1950.)

**September 29**

THE SECRETARY OF LABOR, by General Order No. 48, established within his office the Office of Defense Manpower (to be headed by an executive director), which will develop manpower plans, policies, and programs for meeting defense manpower requirements and will coordinate the activities of the Department of Labor in this field. The same order provided for additional machinery to implement certain provisions of the Defense Production Act of 1950 (see Chron. item for Sept. 8, 1950, MLR, Oct. 1950). (Source: Dept. of Labor General Order No. 48, Sept. 29, 1950; for discussion, see p. 575 of this issue.)

**October 1**

NATIONAL EMPLOY THE PHYSICALLY HANDICAPPED WEEK opened. This was the sixth annual observance of NEPH Week. (Source: U. S. Dept. of Labor release ST 51-147, Oct. 1, 1950.)

THE WESTINGHOUSE ELECTRIC CORP. and the International Union of Electrical Workers (CIO) signed their first permanent agreement, with provisions including a general 10-cent-an-hour pay increase with a 6-month reopening clause and noncontributory pensions. (Source: CIO News, Oct. 9, 1950.)

**October 2**

THE ADMINISTRATOR of the U. S. Department of Labor's Wage and Hour Division established minimum hourly wages in Puerto Rico of 65 cents in the cement industry, 40 cents in the hairnet industry, and 43 cents in the artificial-flower industry, effective November 6. (Source: Federal Register, vol. 15, No. 194, Oct. 6, 1950, p. 6756.)

On October 11, the Administrator established a minimum rate of 40 cents an hour in the hosiery industry in Puerto Rico. (Source: Federal Register, vol. 15, No. 200, Oct. 14, 1950, p. 6910.)

**October 6**

THE NLRB ANNOUNCED the types of cases in which it would exercise jurisdiction, and its unanimous rulings in eight instances. Cases in which the Board will take jurisdiction include those involving establishments substantially affecting national defense and affecting interstate and foreign commerce. The newly appointed General Counsel stated that he would adopt the same policies in the issuance of complaints. (Source: NLRB release R-342, Oct. 6, 1950; for discussion, see p. 574 of this issue.)

On October 10, the Board adopted a revised policy governing the authority and responsibilities of its General Counsel, including a provision that he "will initiate and conduct injunction proceedings under section 10 (e) and (f) of the act [LMRA] . . . only upon approval of the Board." (Source: Federal Register, vol. 15, No. 200, Oct. 14, 1950, p. 6924.)

**October 9**

ATLANTIC AND GULF COAST steamship operators and the National Maritime Union (CIO) and the Seafarers International Union (AFL) agreed upon a 6.38 percent increase in the base pay of seamen. (Source: AFL Weekly News Supplement, Oct. 13, 1950.)

ALAN VALENTINE was given a recess appointment by the President as Administrator of the Economic Stabilization Agency established by Executive Order No. 10161 under the Defense Production Act (see Chron. item for Sept. 8, 1950, MLR, Oct. 1950). (Source: White House release Oct. 9, 1950.)

On October 10, the President appointed Cyrus S. Ching chairman of the Wage Stabilization Board, the 9-member body established by the same Executive order. (Source: White House release, Oct. 10, 1950.)

**October 10**

THE BOARD OF GOVERNORS of the Federal Reserve System and several Federal agencies jointly announced, effective October 12, down payments on 1- and 2-family housing units ranging from 10 to 50 percent for nonveterans and 5 to 45 percent for veterans, payable within 20 years except for houses costing \$7,000 or less. (Source: Board of Governors of the Federal Reserve System, Regulation X, effective Oct. 12, 1950, and the Housing and Home Finance Agency.)

# Publications of Labor Interest

**EDITOR'S NOTE.**—Correspondence regarding the publications to which reference is made in this list should be addressed to the respective publishing agencies mentioned. Where data on prices were readily available, they have been shown with the title series.

## Special Review

*Backgrounds of Power: The Human Story of Mass Production.* By Roger Burlingame. New York, Charles Scribner's Sons, 1949. 372 pp., bibliography. \$5.

Mass production is described as a combination of inventions, social as well as mechanical. The author begins by saying that he is writing for those who are more interested in people than in machines. The evolution of mass production is traced in the background of its "controlling abstractions," which are described as (1) precision, (2) standardization, (3) interchangeability, (4) synchronization, and (5) continuity. These concepts are not defined in a vacuum but are related to a long succession of changes, from the primitive clock to the moving production line and radio "mass communication."

Many of the elements of mass production are traced to their early origins in other countries. The mechanical clock, for example, with its drum and cord, geared wheels, and escapement, originated nearly a thousand years ago. It remained a product of handcraftsmen and a possession of the aristocracy until ingenious New Englanders, hardly more than a hundred years ago, made clocks by mass production for the American mass market and sent boatloads to England with the registered value of \$1.50 per clock—so astounding even the British as to cause a temporary confiscation of the clocks as fraudulently undervalued. A little later, about the middle of the century, another mass production triumph of American industry, the small-arms manufacture developed by Eli Whitney and Samuel Colt, was described by a British engineer as "the American system."

The author traces in detail the growth of mass production to its culmination in the "Ford revolution." He describes its adoption in other countries, especially in Germany after World War I, and its utilization, along with mass communication, by Nazi Germany and Communist Russia, with appalling results when dissociated from its natural American background of mass consumption and the limitations imposed by our admittedly imperfect means of linking efficiency to our individual needs and liberties. There is an account of the revival, after the depression, of mass production in the United States, and

its extension to new areas of production and communication as a result of wartime needs, culminating in what is described as the "mass world."

Throughout the volume the author is concerned with men as inventors and as enterprisers in the development of mass production, and especially with men as workers under the impacts of technological and social change. He is concerned with the possibility that in the conquest of physical forces man may lose his way and release such forces as will conquer humanity. He faces frankly the menace of standardization, of dead-level uniformity in modes of living and especially in modes of thinking. He believes that the most critical phase of mass production is its "effect on labor, not of monotony but of anonymity." He laments "the progressive divorce of the individual labor personality from the totality of his activity, its purpose and its ultimate result."

That theme is far from novel, but it is in the natural sequence of the subject of the volume, nor is the author's point of view merely negative. He views mass production as at least potentially beneficent in its possibilities of creating sustained abundance. He recognizes that abundance is not enough, and he describes, with a restrained optimism, some of the forces that are tending to counteract anonymity and mass types of ideas and modes of living. Much more might have been said about the relative decline in the need for exhausting and low-status manual labor and about the gains in leisure, in real wages, in group activity and responsibility, and in opportunity to escape from anonymity when not at work. But the problem of the masses of repetitive and "anonymous" workers fully warrants the author's emphasis. As a sequel, he might well explore more fully the means for reconciling mass production with job satisfactions.

—WITT BOWDEN.

## Benefit Plans

*Digest of Selected Health, Insurance, Welfare, and Retirement Plans Under Collective Bargaining.* Washington, U. S. Department of Labor, Bureau of Labor Statistics, 1950. 52 pp.; processed. Free.

*Insured Pension and Welfare Plans.* By Robert E. Larson. Madison, University of Wisconsin, Bureau of Business Research and Service, 1950. 129 pp. (Wisconsin Commerce Reports, Vol. II, No. 5.) \$1.10.

*Pensions Under Collective Bargaining.* By William Goldner. Berkeley, University of California, Institute of Industrial Relations, 1950. 42 pp., bibliography, illus. 25 cents.

## Education and Training

*Digest of Annual Reports of State Boards for Vocational Education \* \* \* Fiscal Year Ended June 30, 1949.* Washington, Federal Security Agency, Office of Education, Division of Vocational Education, [1950?]. 74 pp., charts.

*How to Organize Your Guidance Program.* By Edgar L. Harden. Chicago, Science Research Associates, 1950. 70 pp., bibliography, illus.

*Training: The Principles of Personnel Development.* New York, Industrial Relations Counselors, Inc., 1950. 15 pp., charts; processed. (Industrial Relations Memo No. 117.) \$1.

*Training for Craftsmanship at Oak Ridge.* Washington, U. S. Department of Labor, Bureau of Apprenticeship, 1950. 5 pp., forms, illus. Reprinted from *Mill & Factory*, May 1950.) Free.

*Labor Education Functions in University Extension Services.* By Anthony Luchek. [State College, Pennsylvania State College, 1949?] 24 pp., bibliography; processed. Description of workers' education activities at Pennsylvania State College, written by the director of the college's Labor Education Service.

*University of Wisconsin School for Workers.* By Ernest E. Schwarztrauber. (In *Industrial and Labor Relations Review*, Ithaca, N. Y., July 1950, pp. 542-547. \$1.25.)

## Employment and Employment Services

*Employment Trends in Selected Industries: Shipbuilding and Repair, [June 1950].* (In *Employment and Pay Rolls—Detailed Report*, U. S. Department of Labor, Bureau of Labor Statistics, Washington, July 1950, pp. 2-8. Free.)

*The Manpower Problem in the Present Emergency.* Princeton, N. J., Princeton University, Industrial Relations Section, September 1950. 4 pp. (Selected References, No. 35.) 15 cents.

*Helping People Find Jobs: How to Operate a Placement Office.* By Harry Dexter Kitson and Juna Barnes Newton. New York, Harper & Brothers, 1950. 265 pp., bibliography, forms. \$3.50.

*National Employment Services: Canada.* Geneva, International Labor Office, 1950. 105 pp., forms. 75 cents. Distributed in the United States by Washington branch of ILO.

First of a series of handbooks bringing together and making available in comparable form information about employment office policies, practices, and techniques in various countries. The purpose is to provide a guide for the development and improvement of employment services and assist in the solution of problems of organization and operation. Publication of the handbooks is part of the ILO manpower program begun in 1948.

## Housing and General Construction

*Evolution of Federal Housing Activities in the United States.* Washington, U. S. Housing and Home Finance Agency, Office of the Administrator, 1950. 11 pp.; processed.

*Third Annual Report, [U. S.] Housing and Home Finance Agency, Calendar Year 1949.* Washington, 1950. 397 pp., maps, charts. \$1, Superintendent of Documents, Washington.

*An Appraisal Method for Measuring the Quality of Housing: A Yardstick for Health Officers, Housing Officials and Planners—Part III, Appraisal of Neighborhood Environment.* New York, American Public Health Association, Committee on the Hygiene of Housing, 1950. 132 pp., charts, maps, illus. \$3.

Part I of this series of reports dealt with the Nature and Uses of the Method (1945, \$1); Part II consisted of an Appraisal of Dwelling Conditions (3 vols., 1946, \$5).

*Baltimore's Blighted Areas: Housing Conditions and Family Characteristics, 1949.* Baltimore, Md., Housing Authority, 1950. 100 pp., map, charts; processed.

*Recent Trends in the Housing Market of Pittsburgh and Allegheny County.* By Max Nurnberg. Pittsburgh, Allegheny Conference on Community Development, 1950. 97 pp.; processed.

*Expenditures for New Construction, [United States], 1915-1950.* Washington, U. S. Department of Labor, Bureau of Labor Statistics, 1950. 39 pp.; processed. Free.

*The Cost of House-Building, [Great Britain].* London, Ministry of Health, 1950. 35 pp. 1s. 3d. net, H. M. Stationery Office, London.

Second report of a committee of inquiry appointed by the Minister of Health. Some data on productivity and incentive plans are included.

## Industrial Accidents and Accident Prevention

*Accident Facts, 1950 Edition.* Chicago, National Safety Council, 1950. 96 pp., charts. 60 cents.

A section of 20 pages is devoted to work injuries in the United States in 1949.

*Summary and Analysis of Accidents on Steam Railways in the United States Subject to the Interstate Commerce Act, Calendar Year 1949.* Washington, U. S. Interstate Commerce Commission, Bureau of Transport Economics and Statistics, 1950. 121 pp. (Accident Bull. No. 118.) 55 cents, Superintendent of Documents, Washington.

Data on accidents to railroad employees are included.

*Best's Safety Directory of Safety, Hygiene, First Aid, and Fire Protective Products, 1950-1951 Edition.* New York, Alfred M. Best Co., Inc., 1950. 511 pp., illus. 3d ed. \$5.

*Proceedings, [Illinois] Governor's Conference on Industrial Safety, May 1 and 2, 1950.* [Chicago], Illinois Department of Labor, 1950. 176 pp.; processed.

*Proceedings: Fifth International Conference of Directors of Mine Safety Research, [September 20-25, 1948].* Compiled by H. P. Greenwald. Washington, U. S. Department of the Interior, Bureau of Mines, 1950. 223 pp., charts, illus. (Bull. No. 489.) \$1.25, Superintendent of Documents, Washington.

This conference, like the preceding ones, dealt with coal mining. It was participated in by representatives from Belgium, France, Germany, Great Britain, Poland, and the United States.

*Information on the Prevention of Quarry Accidents.* By D. Harrington, A. W. Worcester, J. H. East, Jr. Washington, U. S. Department of the Interior, Bureau of Mines, 1950. 80 pp., bibliography, illus. (Bull. No. 473.) 30 cents, Superintendent of Documents, Washington.

*Roof Bolting in the United States.* By Edward Thomas. Washington, U. S. Department of the Interior, Bureau of Mines, 1950. 8 pp., diagram; processed. (Information Circular No. 7583.)

Discusses adaptation and techniques of roof bolting to prevent coal-mine cave-ins.

*The Fight Against Accidents at Work.* Stockholm, etc., Gummelius, [no date]. Variously paged, illus.

Describes techniques and media employed in an over-all informational safety campaign conducted among Swedish workers by the Worker-Protection Council, composed of employer and trade-union representatives.

*The Prevention of Electrical Accidents in Switzerland.* By Werner Reist. (In Industrial Safety Survey, International Labor Office, Geneva, March-April 1950, pp. 41-52, illus. 50 cents. Distributed in United States by Washington Branch of ILO.)

### Industrial Hygiene

*Control of Radiation Hazards in the Atomic Energy Program.* Eighth semiannual report, U. S. Atomic Energy Commission. Washington, 1950. 230 pp., illus. 55 cents, Superintendent of Documents, Washington.

*Hazards in the Use of Radioactive Static Eliminators and Their Control.* By John E. Silson, M.D. (In American Journal of Public Health and the Nation's Health, New York, August 1950, pp. 943-952, diagrams, illus. 70 cents.)

*Protecting Photofluorographic Personnel From Excessive Radiation.* By Willard W. Van Allen. (In Public Health Reports, Federal Security Agency, Public Health Service, Washington, July 7, 1950, pp. 865-868, charts. 10 cents, Superintendent of Documents, Washington.)

*Pharmacology and Toxicology of Certain Organic Phosphorus Insecticides.* (In Journal of the American Medical Association, Chicago, September 9, 1950, pp. 104-108. 35 cents.)

These insecticides are reported to be among the most toxic materials used for pest control. Hazards, clinical effects, and control measures are described by various authors in the report listed. Includes a tabulation showing the distribution among three products of 168 cases of poisoning in agriculture and industry.

*Review of Literature on Health Hazards of Beryllium and its Compounds.* By G. G. Morgis and J. J. Forbes. Washington, U. S. Department of the Interior, Bureau of Mines, 1950. 23 pp., bibliography; processed. (Information Circular No. 7574.)

Summarizes findings with respect to industrial uses, occupational exposure and its effects, and control of exposure.

*Solving the Solvent Problem.* By Robert A. Kehoe, M.D. (In Industrial Medicine and Surgery, Chicago, July 1950, pp. 313-316. 75 cents.)

Analyzes causes of inadequacies in control of occupational exposure to solvents and other similar organic chemicals, and outlines steps by which new substances can be used safely in industrial production. Responsibility of the chemical manufacturer is emphasized.

*Safeguarding of Health in the Plastics Industry.* Edited by Robert L. Houtz. Harrisburg, Department of Labor and Industry, [no date]. [11] pp., illus; processed. (Safe Practice Bull. No. 88.)

*The Proceedings of the Ninth International Congress on Industrial Medicine, London, September 13-17, 1948.* Bristol, England, John Wright & Sons, Ltd., 1949. xxv, 1090 pp., bibliography, charts, illus. \$11, Williams & Wilkins Co., Baltimore, Md.

Subjects covered include occupational cancer; pneumoconioses; silicosis; toxic effects of the newer industrial metals, including beryllium; organization of industrial health and medical services; industrial nursing; and legislation for worker protection.

### Industrial Relations

*Bonds of Organization: An Appraisal of Corporate Human Relations.* By E. Wight Bakke. New York, Harper & Brothers, 1950. 239 pp., charts. (Yale Labor and Management Center Series.) \$4.

A study of the structure and dynamics of human relations in a New England telephone company through the multiple techniques of observation, study of work-flow processes, analysis of the decision-making process, and interviews with employees and union members and various levels of management and union leadership.

This is the first of a series of reports broadly designed to arrive at an underlying theory of human behavior and the framework of factors determining it. The present report surveys the reactions of participants to experiences within the organization and attempts to isolate and define their objectives. The purpose was to define the devices or "bonds of organization" which weld the individuals into a functioning team, and to determine whether these "bonds" are enabling participants to realize their goals.

*Causes of Industrial Peace Under Collective Bargaining: Marathon Corporation and Seven Labor Unions.* By R. W. Fleming and Edwin E. Witte. Washington, National Planning Association, 1950. 63 pp. (Case Study No. 8.) \$1.

*The Development of a Policy for Industrial Peace in Atomic Energy.* By Donald B. Straus. Washington, National Planning Association, 1950. 103 pp. (Planning Pamphlet No. 71.) \$1.

Summarized in this issue of the Monthly Labor Review (p. 587).

*The Economic Impact of an Industry-Wide Strike: A Case Study of the 1949-50 Coal Strike.* New York, National Association of Manufacturers, 1950. 16 pp., charts; processed. (Economic Policy Division Series, No. 27.) Free.

*Heritage of Conflict: Labor Relations in the Nonferrous Metals Industry up to 1930.* By Vernon H. Jensen. Ithaca, N. Y., Cornell University Press, 1950. 495 pp., bibliography. \$4.75.

This history of the turbulent labor relations in the non-ferrous metals industry deals with the early attempts of unions to establish a foothold in the industry, and the formation of and the conflicts which characterized the Western Federation of Miners and the I. W. W. As indicated by the author, "the story terminates as of the late twenties, not without justification, nor arbitrarily, because there is a distinct—although by no means complete—break in the continuity between the early labor relations history and that of the last two decades."

*Human Relations in Modern Industry.* By R. F. Tredgold. London and New York, International Universities Press, Inc., 1950. 192 pp., bibliography. \$2.50.

Material based on a series of lectures on "Human Relations in Industry" given at Roffey Park Rehabilitation Centre, London, in 1947 and 1948.

*Lost Opportunities as Steppingstones to Better Industrial Relations Policy.* New York, Industrial Relations Counselors, Inc., 1950. 14 pp.; processed. (Industrial Relations Memo No. 114.) \$1.

*The Universities and Industrial Relations.* Edited by H. D. Woods. Montreal, McGill University, Industrial Relations Center, 1949. 70 pp.

*Working Condition Clauses Covering Hourly Workers in 300 Plants.* Chicago, Dartnell Corporation, [1950]. In 3 parts, variously paged. (Report No. 593.) \$10.

## Labor and Social Legislation

*The Defense Production Act of 1950 (Public Law No. 774, 81st Congress, Second Session).* (In N A M Law Digest, National Association of Manufacturers, Law Department, Washington, September 1950, pp. 65-92. 15 cents.)

Contains a summary and the complete text of the act. The act was also summarized in the Monthly Labor Review for October (p. 453).

*Labor Relations Law (February 1950).* By Marcus Manoff. Philadelphia, American Law Institute. Committee on Continuing Legal Education (in collaboration with American Bar Association), 1950. 140 pp. \$2.

"Written for the attorney completely unacquainted with labor law," this booklet contains material "limited to the problems arising out of the employer-employee-union relationship and the methods by which bargaining is conducted between union and employer."

*Your Wage-Hour Liabilities and Exemptions.* By Earl Binin and others. New York, Labor Relations Institute, 1950. 76 pp.

Analysis of Federal Fair Labor Standards Act amendments effective January 25, 1950.

*Traité de Droit du Travail, Volume II.* By Paul Durand. Paris, Librairie Dalloz, 1950. 1040 pp.

The present volume is a study of French law governing

individual relationships between workers and employers. It cites legislation up to 1949, as well as the concepts and principles governing each subject, and includes some comparisons with German and Italian labor law. Volume I, published in 1947, gave general theories concerning labor law. Volume III is to deal with collective labor-management relations, and Volume IV, with social-security legislation.

*Trade Union Law and Labor Relations Adjustment Law, Including the Enforcement Orders Thereof and the Regulations of the Central Labor Relations Board, [Japan], 1949.* Tokyo, Ministry of Labor, Labor Policy Bureau, [1950?]. 59 pp.

*Prontuario de la Jurisprudencia del Trabajo, [Peru].* Lima, Ministerio de Justicia y Trabajo, Dirección General de Trabajo, 1949. 156 pp.

## Medical Care and Health Insurance

*Blue Cross Guide: A Summary of Group Enrollment Benefits, Rates, and Regulations of Non-Profit Blue Cross Hospital Service Plans.* Chicago, American Hospital Association, Blue Cross Commission, 1949. 109 pp.

Individual plans are summarized by State. A brief statement as to plans offering nongroup enrollment is included.

*Industrial Health Legislation—A Compilation of State Laws and Regulations, July 1950.* By Victoria M. Trasko. Washington, Federal Security Agency, Public Health Service, [1950]. 156 pp. and appendix, 6 pp.; processed.

*National Health Insurance.* By Helen E. Livingston. Washington, U. S. Library of Congress, Legislative Reference Service, June 1950. 78 pp., bibliography; processed. (Public Affairs Bull. No. 85.) 50 cents. Analyzes the costs of medical care and health insurance and the status of the Nation's health, and presents pro and con arguments on both compulsory and voluntary health insurance.

*Thirteenth Annual Employment Security Report, 1949.* Trenton, N. J., State Department of Labor and Industry, Division of Employment Security, 1950. 130 pp., charts; processed.

A report on the first year's operation of the New Jersey State disability insurance program is included.

*Permanent Disability Protection for Railroad Workers.* (In Monthly Review, U. S. Railroad Retirement Board, Chicago, May 1950, pp. 82-86, chart.)

*The Problem of Prepaid Medical Care.* By Harry Becker. [Detroit, Mich., UAW-CIO Social Security Department?], 1950. 10 pp.; processed.

The director of the social security department of the United Automobile Workers (CIO) examines labor's experience in its effort to provide prepaid medical care under collective-bargaining agreements.

*Medical Care in England Under the National Health Service.* (In Journal of the American Medical Association, Chicago, August 19, 1950, pp. 1420-1434. 35 cents.)

### Migrants

*Migratory Agricultural Workers in Wisconsin—A Problem in Human Rights.* Madison, Governor's Commission on Human Rights, 1950. 48 pp., bibliography.

*Social Protection of Migrant Workers.* By Giacinto Maselli. (In Bulletin of the International Social Security Association, Geneva, June 1950, pp. 1-13.)

*Rehabilitation and Resettlement of Displaced Persons in the Indian Union.* (In International Labor Review, Geneva, April 1950, pp. 410-426. 50 cents. Distributed in United States by Washington Branch of ILO.)

### Personnel Management

*Recent Publications on Selection of Non-Supervisory Personnel.* Princeton, N. J., Princeton University, Industrial Relations Section, May 1950. 4 pp. (Selected References, No. 33.) 15 cents.

*Recruiting and Placing College Graduates in Business.* New York, Metropolitan Life Insurance Company, Policyholders Service Bureau, Group Insurance Division, 1950. 66 pp., forms.

*Recognition for Long Service—Nonmonetary Awards, Extra Privileges, Monetary Awards, Increased Job Security.* By Harold Stieglitz. New York, National Industrial Conference Board, Inc., 1950. 36 pp., illus. (Studies in Personnel Policy, No. 106.)

*Seniority Systems in Nonunionized Companies.* By John J. Speed and James J. Bambrik, Jr. New York, National Industrial Conference Board, Inc., 1950. 32 pp., charts. (Studies in Personnel Policy, No. 110.)

*Supervision—Principles and Methods.* By Margaret Williamson. New York, Woman's Press, 1950. 170 pp., bibliographies. \$3.

*A Trade Unionist Appraises Management Personnel Philosophy.* By Solomon Barkin. (In Harvard Business Review, Boston, Mass., September 1950, pp. 59-64. \$1.50.)

### Production and Productivity

*Productivity Program of the Bureau of Labor Statistics.* By George E. Sadler. Washington, U. S. Department of Labor, Bureau of Labor Statistics, 1950. 18 pp. and charts; processed. Free.

*Productivity in the Canning and Preserving Industries Group, 1939-49.* Washington, U. S. Department of Labor, Bureau of Labor Statistics, 1950. 7 pp.; processed. Free.

Reports in this series giving data for 1949 and earlier years are also available for the following industries: Cement, coke, hosiery, copper mining, and lead and zinc mining.

*Trends in Man-Hours Expended Per Unit in the Production of Machine Tools, 1947 and 1948.* Washington, U. S.

Department of Labor, Bureau of Labor Statistics, 1950. 9 pp.; processed. Free.

Reports in this series giving data for 1948 and earlier years are also available for the following industries: Cane sugar refining, construction machinery, household electrical appliances, leather, luggage, men's dress shirts, and soap and glycerine.

*Industriel Produktionsstatistik, 1948.* Copenhagen, Statistiske Departement, 1950. 264 pp. (Statistiske Meddelelser, 4.Række, 139.Bind, 2.Hafte.) 1 kr.

Statistics of industrial production in Denmark in 1948. A résumé in French and French translations of the table of contents and certain other items are provided.

*Organizing for Output.* London, British Institute of Management, 1950. 66 pp., bibliography, diagrams, plan, illus. 2s. 6d.

### Social Security (General)

*New Social Security Requirements: A Complete Guide to the Social Security Law as Amended in 1950.* New York, Research Institute of America, Inc., 1950. 48 pp. (Analysis No. 75.)

*Social Security, 1950, Explained: What the Amended Social Security Law Means.* New York, Commerce Clearing House, Inc., 1950. 128 pp. \$1.

*Resources of Old-Age and Survivors Insurance Beneficiaries in Philadelphia and Baltimore, 1949.* Baltimore, Federal Security Agency, Social Security Administration, Bureau of Old-Age and Survivors Insurance, 1950. 33 pp.; processed.

A comparison of the economic situation of these beneficiaries in 1941 and 1949 was published in the Social Security Bulletin of the Social Security Administration for May 1950 (p. 3).

*Welfare State.* By Buel W. Patch. Washington (1205 19th Street NW.), Editorial Research Reports, 1950. 18 pp. (Vol. II, 1950, No. 3.) \$1.

*Le Droit Social au Maroc—Textes, Commentaires, Jurisprudence.* By P.-Louis Rivière. Paris, Éditions Ozanne, 1949. 522 pp.

*Législation Sociale de la Suisse, 1949.* Zurich, Office Fédéral de l'Industrie, des Arts et Métiers et du Travail en Liaison avec l'Office Fédéral des Assurances Sociales, 1950. 304 pp.

### Wages and Hours of Labor

*Employee and Compensation Data by Occupational Classification Reported by Standard Broadcast Stations, Nation-Wide Networks, and Regional Networks, for the Week Ending October 15, 1949.* Washington, U. S. Department of Labor, Bureau of Labor Statistics (in cooperation with Federal Communications Commission), 1950. 26 pp.; processed. Free.

A similar report is available for the communications industry—class A telephone, ocean-cable, and radiotelegraph carriers, and Western Union Telegraph Co.

*Office Workers' Salaries, Hours of Work, Supplementary Benefits, Providence, R. I., June 1950.* Washington, U. S. Department of Labor, Bureau of Labor Statistics, 1950. 18 pp.; processed. Free.

Final bulletin in the series of studies of office workers in 11 major cities in 1950. The other cities were Atlanta, Boston, Chicago, Detroit, Indianapolis, Los Angeles, Memphis, Milwaukee, New York, and Oklahoma City.

*Wage Structure Series 2, No. 76: Lumber in the South, 1949 and 1950.* Washington, U. S. Department of Labor, Bureau of Labor Statistics, 1950. 34 pp.; processed. Free.

*Wage Movements Series 3, No. 2: Salaries of Policemen and Firemen—A Quarter Century Review.* Washington, U. S. Department of Labor, Bureau of Labor Statistics, 1950. 6 pp.; processed. Free.

*Conditions of Work of Fire Fighting Services: Hours of Duty, Rest Periods and Paid Holidays.* (In International Labor Review, Geneva, June 1950, pp. 637-657. 50 cents. Distributed in United States by Washington Branch of ILO.)

Preliminary report based on conditions in 17 countries.

*Hours and Working Conditions in the Manufacturing Industries of Halifax, Montreal, Toronto, Winnipeg, and Vancouver, October 1949.* (In Labor Gazette, Department of Labor, Ottawa, July 1950, pp. 1014-1029, charts. 10 cents.)

*Cinquième Congrès des Relations Industrielles de Laval: Structure des Salaires.* Quebec, Université Laval, Département des Relations Industrielles, 1950. 192 pp., charts, illus.

Papers and discussion at Laval University Congress of Industrial Relations, April 1950. Methods of determining rates of wages and salaries were emphasized.

*The Course of Wage Rates in Five Countries, 1860-1939.* By E. H. Phelps Brown and Sheila V. Hopkins. (In Oxford Economic Papers, London, June 1950, pp. 226-296, charts. 12s. 6d.)

The authors have brought together or constructed indexes for France, Germany, Sweden, the United Kingdom, and the United States. The indexes cover money wage rates, the wage earner's cost of living, the price level of final output, and national income per head of the occupied population. Various derived indexes include the real wage rate. Interpretations and conclusions are given in somewhat tentative form, although rather boldly in view of the uncertain validity of earlier data and the doubtful comparability of series extending over so long a period.

## Miscellaneous

*American Sources of Information in the Labor Field.* By Ralph E. McCoy. [Urbana, University of Illinois, Institute of Labor and Industrial Relations?], 1950. 19 pp.; processed.

Address at Special Libraries Association convention, Atlantic City, June 13, 1950.

*Management in Motion: The Corporate Decision-Making Process as Applied to the Transfer of Employees.* By Neil W. Chamberlain. New Haven, Conn., Yale University, Labor and Management Center, 1950. 124 pp., charts. \$2.

Study of the movements of employees within a telephone company servicing one State. The subject of employee job movements within a company "is an important but relatively neglected one," according to the report.

*Tables of Working Life: Length of Working Life for Men.* Washington, U. S. Department of Labor, Bureau of Labor Statistics, 1950. 74 pp., charts. (Bull. No. 1001.) 40 cents, Superintendent of Documents, Washington.

*Techniques of Preparing Major BLS Statistical Series.* Washington, U. S. Department of Labor, Bureau of Labor Statistics, 1950. 72 pp. (Bull. No. 993; reprinted from Monthly Labor Review, September-November 1949 and January-April 1950.) 40 cents, Superintendent of Documents, Washington.

*Crisis in Britain: Plans and Achievements of the Labor Government.* By Robert A. Brady. Berkeley and Los Angeles, University of California Press, 1950. 730 pp., maps. \$5.

One chapter is devoted to social insurance in general and one to the national health service.

*Analysis of Labor Economy [of Japan] in 1949.* [Tokyo], Ministry of Labor, Labor Statistics and Research Division, [1950?]. 87 pp., charts. In English.

*Population Increase and Manpower Utilization in Imperial Japan.* By Irene B. Taeuber. (In Milbank Memorial Fund Quarterly, New York, July 1950, pp. 273-293.)

*Industrial Management in the USSR.* By A. Arakelian; translated by Ellsworth L. Raymond. Washington, Public Affairs Press, 1950. 168 pp., bibliographies. \$3.

Deals with the basic principles, organization, structure, and administration of industry under the Soviet regime up to 1947. One chapter discusses participation of the Communist Party and trade-unions in management of industrial production.

*History of the National Economy of Russia, to the 1917 Revolution.* By Peter I. Lyashchenko; translated by L. M. Herman. New York, Macmillan Co., 1949. 880 pp., bibliography, maps. \$13.

Describes and interprets the growth of the Russian national economy from its earliest beginnings to the time of the 1917 revolution. Approved for use as a textbook in Soviet higher educational institutions.

*Freedom of Association and Conditions of Work in Venezuela.* Geneva, International Labor Office, 1950. 185 pp., illus. \$1. Distributed in United States by Washington Branch of ILO.

A summary of the report, based on an advance release, was published in the Monthly Labor Review for October 1950 (p. 449).

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## A: Employment and Payrolls

TABLE A-1: Estimated Total Labor Force Classified by Employment Status, Hours Worked, and Sex

| Labor force                             | Estimated number of persons 14 years of age and over <sup>1</sup> (in thousands) |        |                   |        |        |        |        |        |        |        |                   |        |                    |
|---|--|--------|-------------------|--------|--------|--------|--------|--------|--------|--------|-------------------|--------|--------------------|
|   | 1950   |        |                   |        |        |        |        |        | 1949   |        |                   |        |                    |
|   | Sept. <sup>2</sup>   | Aug.   | July <sup>2</sup> | June   | May    | Apr.   | Mar.   | Feb.   | Jan.   | Dec.   | Nov. <sup>2</sup> | Oct.   | Sept. <sup>2</sup> |
| Total, both sexes                       |  |        |                   |        |        |        |        |        |        |        |                   |        |                    |
| Total labor force <sup>3</sup>          | 65,020   | 65,204 | 65,742            | 66,177 | 64,108 | 63,513 | 63,021 | 63,003 | 62,835 | 63,475 | 64,363            | 64,021 | 64,222             |
| Civilian labor force                    | 63,567   | 64,867 | 64,427            | 64,866 | 62,788 | 62,183 | 61,675 | 61,637 | 61,427 | 62,045 | 62,927            | 62,576 | 62,763             |
| Unemployment                            | 2,341  | 2,500  | 3,213             | 3,384  | 3,057  | 3,515  | 4,123  | 4,684  | 4,480  | 3,459  | 3,409             | 3,576  | 3,351              |
| Unemployed 4 weeks or less              | 1,107  | 1,051  | 1,514             | 1,629  | 1,130  | 1,130  | 1,229  | 1,583  | 1,956  | 1,399  | 1,586             | 1,736  | 1,227              |
| Unemployed 5-10 weeks                   | 464  | 679    | 754               | 664    | 634    | 688    | 1,142  | 1,456  | 1,171  | 971    | 771               | 719    | 757                |
| Unemployed 11-14 weeks                  | 201  | 221    | 249               | 181    | 252    | 521    | —      | 547    | 418    | 302    | 257               | 300    | 395                |
| Unemployed 15-26 weeks                  | 272  | 266    | 334               | 474    | 559    | 705    | 744    | 650    | 542    | 456    | 460               | 471    | 507                |
| Unemployed over 26 weeks                | 299  | 285    | 361               | 439    | 481    | 478    | 449    | 448    | 398    | 361    | 335               | 349    | 368                |
| Employment                              | 61,226   | 62,367 | 61,214            | 61,482 | 59,731 | 58,665 | 57,551 | 56,953 | 56,947 | 58,556 | 59,518            | 59,001 | 59,411             |
| Nonagricultural                         | 53,415   | 54,207 | 52,436            | 51,669 | 51,813 | 50,877 | 50,730 | 50,749 | 51,783 | 51,294 | 51,254            | 51,254 | 51,254             |
| Worked 35 hours or more                 | 28,042   | 43,835 | 25,072            | 43,117 | 43,033 | 41,140 | 41,334 | 41,433 | 40,839 | 42,260 | 36,766            | 41,184 | 27,996             |
| Worked 15-34 hours                      | 20,827   | 4,583  | 19,261            | 5,153  | 5,149  | 6,559  | 5,715  | 5,271  | 6,551  | 6,126  | 11,383            | 10,933 | 10,933             |
| Worked 1-14 hours <sup>4</sup>          | 1,984  | 1,547  | 1,650             | 1,843  | 1,940  | 1,183  | 2,102  | 2,085  | 1,074  | 2,049  | 1,991             | 2,027  | 1,867              |
| With a job but not at work <sup>4</sup> | 2,561  | 4,446  | 6,852             | 2,323  | 1,537  | 1,597  | 1,725  | 1,941  | 1,696  | 1,349  | 1,701             | 1,885  | 2,339              |
| Agricultural                            | 7,411  | 8,190  | 8,149             | 9,204  | 8,092  | 7,198  | 6,561  | 6,198  | 6,198  | 6,198  | 3,278             | 7,710  | 8,158              |
| Worked 35 hours or more                 | 5,259  | 6,170  | 6,348             | 6,975  | 5,970  | 5,128  | 4,551  | 4,334  | 3,979  | 4,778  | 6,205             | 5,462  | 6,294              |
| Worked 15-34 hours                      | 2,028  | 1,475  | 1,695             | 1,739  | 1,613  | 1,603  | 1,575  | 1,271  | 1,459  | 1,611  | 1,256             | 1,604  | 1,455              |
| Worked 1-14 hours <sup>4</sup>          | 356  | 295    | 238               | 246    | 292    | 318    | 255    | 300    | 329    | 287    | 238               | 385    | 269                |
| With a job but not at work <sup>4</sup> | 170  | 223    | 158               | 88     | 187    | 260    | 295    | 317    | 431    | 189    | 179               | 279    | 140                |
| Males                                   |  |        |                   |        |        |        |        |        |        |        |                   |        |                    |
| Total labor force <sup>3</sup>          | 46,155   | 47,132 | 47,000            | 46,718 | 45,614 | 45,429 | 45,204 | 45,115 | 45,102 | 45,174 | 45,515            | 45,413 | 45,759             |
| Civilian labor force                    | 44,726   | 45,818 | 45,708            | 45,429 | 44,316 | 44,120 | 43,879 | 43,769 | 43,715 | 43,765 | 44,099            | 43,988 | 44,319             |
| Unemployment                            | 1,482  | 1,664  | 2,126             | 2,200  | 2,130  | 2,628  | 3,002  | 3,426  | 3,262  | 2,472  | 2,316             | 2,563  | 2,233              |
| Employment                              | 43,244   | 44,154 | 43,582            | 43,229 | 42,188 | 41,492 | 40,877 | 40,343 | 40,453 | 41,293 | 41,783            | 41,426 | 42,085             |
| Nonagricultural                         | 36,877   | 37,455 | 36,605            | 36,216 | 35,507 | 35,220 | 34,890 | 34,668 | 34,880 | 35,369 | 35,484            | 35,123 | 35,521             |
| Worked 35 hours or more                 | 21,103   | 31,800 | 18,905            | 31,523 | 30,860 | 29,722 | 29,562 | 26,336 | 29,108 | 30,077 | 26,629            | 29,631 | 20,408             |
| Worked 15-34 hours                      | 13,273   | 2,508  | 12,762            | 2,605  | 2,829  | 3,483  | 3,156  | 2,909  | 3,711  | 3,424  | 6,922             | 3,234  | 12,663             |
| Worked 1-14 hours <sup>4</sup>          | 817  | 654    | 732               | 756    | 874    | 999    | 958    | 922    | 904    | 884    | 870               | 901    | 810                |
| Agricultural                            | 1,683  | 2,494  | 4,207             | 1,321  | 1,034  | 1,017  | 1,531  | 1,531  | 1,157  | 984    | 1,064             | 1,159  | 1,551              |
| Worked 35 hours or more                 | 6,367  | 6,699  | 6,977             | 7,013  | 6,589  | 6,272  | 5,987  | 5,645  | 5,573  | 5,924  | 6,299             | 6,302  | 6,565              |
| Worked 15-34 hours                      | 4,875  | 5,573  | 5,789             | 5,393  | 4,991  | 4,339  | 4,380  | 4,176  | 3,817  | 4,497  | 5,335             | 4,806  | 5,465              |
| Worked 1-14 hours <sup>4</sup>          | 1,131  | 764    | 899               | 743    | 895    | 925    | 1,146  | 942    | 1,084  | 1,017  | 638               | 910    | 792                |
| With a job but not at work <sup>4</sup> | 219  | 181    | 162               | 162    | 186    | 251    | 188    | 228    | 262    | 234    | 152               | 247    | 179                |
| With a job but not at work <sup>4</sup> | 143  | 183    | 126               | 78     | 170    | 205    | 274    | 298    | 399    | 177    | 173               | 249    | 128                |
| Females                                 |  |        |                   |        |        |        |        |        |        |        |                   |        |                    |
| Total labor force <sup>3</sup>          | 18,865   | 19,072 | 18,742            | 19,459 | 18,494 | 18,084 | 17,817 | 17,888 | 17,733 | 18,301 | 18,848            | 18,608 | 18,463             |
| Civilian labor force                    | 18,841   | 19,049 | 18,719            | 19,437 | 18,472 | 18,003 | 17,796 | 17,968 | 17,712 | 18,280 | 18,828            | 18,588 | 18,444             |
| Unemployment                            | 859  | 836    | 1,087             | 1,184  | 927    | 887    | 1,211  | 1,258  | 1,218  | 1,017  | 1,093             | 1,013  | 1,118              |
| Employment                              | 17,982   | 18,213 | 17,632            | 18,253 | 17,545 | 17,176 | 16,674 | 16,510 | 16,494 | 17,263 | 17,735            | 17,575 | 17,326             |
| Nonagricultural                         | 16,538   | 16,752 | 16,169            | 16,220 | 16,072 | 16,253 | 15,987 | 16,032 | 15,869 | 16,414 | 16,156            | 16,167 | 15,733             |
| Worked 35 hours or more                 | 6,939  | 12,035 | 6,167             | 11,594 | 12,173 | 11,421 | 11,772 | 12,067 | 11,731 | 12,183 | 10,137            | 11,723 | 6,868              |
| Worked 15-34 hours                      | 7,554  | 2,075  | 6,436             | 2,548  | 2,320  | 3,069  | 2,559  | 2,362  | 2,540  | 2,702  | 4,461             | 2,822  | 7,020              |
| Worked 1-14 hours <sup>4</sup>          | 1,167  | 891    | 918               | 1,087  | 1,075  | 1,184  | 1,144  | 1,163  | 1,070  | 1,165  | 1,121             | 1,127  | 1,057              |
| Agricultural                            | 878  | 1,752  | 2,645             | 991    | 503    | 580    | 811    | 410    | 529    | 365    | 437               | 496    | 788                |
| Worked 35 hours or more                 | 1,444  | 1,461  | 1,463             | 2,033  | 1,473  | 923    | 688    | 578    | 625    | 849    | 1,579             | 1,408  | 1,598              |
| Worked 15-34 hours                      | 384  | 597    | 559               | 944    | 631    | 234    | 171    | 158    | 162    | 281    | 870               | 566    | 829                |
| Worked 1-14 hours <sup>4</sup>          | 897  | 711    | 796               | 966    | 718    | 578    | 429    | 329    | 365    | 494    | 618               | 694    | 663                |
| With a job but not at work <sup>4</sup> | 137  | 114    | 76                | 84     | 106    | 67     | 72     | 67     | 63     | 86     | 86                | 118    | 90                 |
| With a job but not at work <sup>4</sup> | 27   | 40     | 32                | 10     | 17     | 45     | 21     | 19     | 32     | 12     | 6                 | 30     | 12                 |

<sup>1</sup> Estimates are subject to sampling variation which may be large in cases where the quantities shown are relatively small. Therefore, the smaller estimates should be used with caution. All data exclude persons in institutions. Because of rounding, the individual figures do not necessarily add to group totals.

<sup>2</sup> Census survey week contains legal holiday.

<sup>3</sup> Total labor force consists of the civilian labor force and the Armed Forces.

<sup>4</sup> Excludes persons engaged only in incidental unpaid family work (less than 15 hours); these persons are classified as not in the labor force.

<sup>5</sup> Includes persons who had a job or business, but who did not work during the census week because of illness, bad weather, vacation, labor dispute or because of temporary lay-off with definite instructions to return to work within 30 days of lay-off. Does not include unpaid family workers.

Source: U. S. Department of Commerce, Bureau of the Census.

**TABLE A-2: Employees in Nonagricultural Establishments, by Industry Division and Group<sup>1</sup>**  
 [In thousands]

| Industry group and industry                                   | 1950   |        |        |        |        |        |        |        |        |        |        | 1949   |        |        |        |      | Annual average |  |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|----------------|--|
|   | Sept.  | Aug.   | July   | June   | May    | Apr.   | Mar.   | Feb.   | Jan.   | Dec.   | Nov.   | Oct.   | Sept.  | 1949   | 1948   |      |                |  |
|   | 45,500 | 45,031 | 44,058 | 43,945 | 43,311 | 42,926 | 42,295 | 41,661 | 42,125 | 43,604 | 42,784 | 42,601 | 43,466 | 43,006 | 44,201 |      |                |  |
| Total employees   | 951    | 955    | 921    | 944    | 940    | 929    | 939    | 955    | 961    | 940    | 917    | 902    | 948    | 932    | 991    |      |                |  |
| Mining <sup>2</sup>   | 101.9  | 103.1  | 103.2  | 101.8  | 99.9   | 98.5   | 98.0   | 97.9   | 97.7   | 96.6   | 89.3   | 70.2   | 98.1   | 100.1  | 105.1  |      |                |  |
| Metal   | 87.4   | 86.6   | 85.1   | 85.4   | 83.8   | 83.9   | 83.9   | 83.6   | 84.0   | 83.3   | 82.8   | 82.9   | 94.4   | 86.6   | 83.7   | 86.6 | 85.6           |  |
| Iron  | 28.6   | 28.4   | 28.0   | 27.9   | 28.0   | 27.8   | 27.8   | 27.7   | 27.6   | 27.1   | 26.5   | 26.5   | 26.4   | 27.3   | 27.8   |      |                |  |
| Copper  | 19.9   | 20.5   | 20.0   | 19.2   | 19.1   | 19.0   | 18.8   | 18.4   | 18.4   | 17.3   | 17.1   | 18.0   | 20.6   | 21.7   |        |      |                |  |
| Lead and zinc   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |      |                |  |
| Anthracite  | 75.5   | 73.7   | 75.3   | 76.1   | 75.3   | 76.9   | 75.0   | 75.6   | 76.3   | 76.7   | 76.2   | 75.6   | 77.3   | 80.0   |        |      |                |  |
| Bituminous-coal   | 409.1  | 409.0  | 380.7  | 410.4  | 413.1  | 410.0  | 422.9  | 82.6   | 347.7  | 419.7  | 400.9  | 94.3   | 414.7  | 399.0  | 438.2  |      |                |  |
| Crude petroleum and natural gas production                    | 261.8  | 261.6  | 258.9  | 253.9  | 251.4  | 249.2  | 249.8  | 251.1  | 253.4  | 254.8  | 256.2  | 260.7  | 259.0  | 257.5  |        |      |                |  |
| Nonmetallic mining and quarrying                              | 103.2  | 103.7  | 101.5  | 100.0  | 97.3   | 94.5   | 90.2   | 88.0   | 88.9   | 93.6   | 95.7   | 95.9   | 98.7   | 90.4   | 100.1  |      |                |  |
| Contract construction   | 2,573  | 2,611  | 2,521  | 2,414  | 2,245  | 2,076  | 1,907  | 1,861  | 1,919  | 2,058  | 2,244  | 2,313  | 2,341  | 2,156  | 2,165  |      |                |  |
| Manufacturing   | 15,616 | 15,444 | 14,771 | 14,668 | 14,413 | 14,162 | 14,103 | 13,997 | 13,980 | 14,031 | 13,807 | 13,892 | 14,312 | 14,146 | 13,288 |      |                |  |
| Durable goods <sup>3</sup>                                    | 8,395  | 8,292  | 7,976  | 7,964  | 7,809  | 7,548  | 7,418  | 7,324  | 7,342  | 7,303  | 7,050  | 6,986  | 7,409  | 7,465  | 7,318  |      |                |  |
| Nondurable goods <sup>3</sup>                                 | 7,221  | 7,153  | 6,795  | 6,702  | 6,604  | 6,614  | 6,688  | 6,638  | 6,673  | 6,728  | 6,757  | 6,908  | 6,903  | 6,681  | 6,970  |      |                |  |
| Ordnance and accessories                                      | 25.0   | 24.6   | 23.4   | 23.7   | 23.2   | 22.8   | 22.4   | 21.8   | 21.3   | 21.6   | 21.8   | 22.6   | 22.7   | 24.8   | 28.1   |      |                |  |
| Food and kindred products                                     | 1,708  | 1,716  | 1,614  | 1,519  | 1,461  | 1,432  | 1,400  | 1,409  | 1,432  | 1,491  | 1,539  | 1,631  | 1,703  | 1,623  | 1,536  |      |                |  |
| Meat products   | 285.0  | 296.0  | 292.6  | 286.5  | 282.7  | 285.3  | 288.3  | 291.3  | 297.6  | 298.8  | 292.8  | 287.7  | 298.6  | 271.2  |        |      |                |  |
| Dairy products  | 150.5  | 159.2  | 158.5  | 148.7  | 141.4  | 144.1  | 146.6  | 134.1  | 132.4  | 133.7  | 136.3  | 142.2  | 149.9  | 146.2  | 147.7  |      |                |  |
| Canning and preserving  | 328.4  | 325.7  | 327.0  | 322.3  | 152.4  | 144.9  | 133.9  | 133.6  | 141.0  | 161.2  | 185.2  | 258.2  | 351.0  | 207.1  | 229.0  |      |                |  |
| Grain-mill products   | 286.5  | 125.8  | 124.3  | 121.2  | 120.2  | 120.1  | 119.3  | 119.8  | 120.0  | 122.9  | 125.4  | 123.6  | 120.6  | 117.7  |        |      |                |  |
| Baker's products  | 286.7  | 289.0  | 283.7  | 286.7  | 284.6  | 282.4  | 277.9  | 277.3  | 280.0  | 286.0  | 292.4  | 289.7  | 281.7  | 282.9  |        |      |                |  |
| Sugar   | 33.9   | 30.8   | 29.4   | 28.9   | 27.0   | 27.1   | 26.9   | 28.9   | 28.5   | 42.5   | 49.3   | 48.0   | 30.7   | 32.7   | 34.5   |      |                |  |
| Confectionery and related products                            | 102.2  | 89.9   | 90.4   | 88.5   | 90.6   | 94.5   | 96.7   | 99.5   | 104.7  | 109.4  | 113.6  | 105.6  | 96.9   | 100.2  |        |      |                |  |
| Beverages   | 236.0  | 231.3  | 224.8  | 212.8  | 206.0  | 205.1  | 198.2  | 196.2  | 205.4  | 211.3  | 215.0  | 222.4  | 211.4  | 218.6  |        |      |                |  |
| Miscellaneous food products                                   | 145.3  | 141.6  | 140.4  | 135.5  | 134.1  | 135.3  | 132.2  | 132.3  | 135.4  | 139.9  | 142.9  | 142.5  | 137.6  | 141.3  |        |      |                |  |
| Tobacco manufactures  | 88     | 89     | 82     | 82     | 83     | 83     | 85     | 88     | 92     | 94     | 96     | 99     | 101    | 94     | 100    |      |                |  |
| Cigarettes  | 25.3   | 26.0   | 25.4   | 25.5   | 25.5   | 25.4   | 25.5   | 25.5   | 26.3   | 26.8   | 26.9   | 26.9   | 27.0   | 26.6   | 26.6   |      |                |  |
| Cigars  | 40.7   | 38.9   | 39.5   | 39.7   | 39.3   | 40.9   | 42.3   | 42.4   | 43.2   | 45.5   | 45.7   | 45.7   | 45.2   | 44.5   | 43.3   |      |                |  |
| Tobacco stemming and redrying                                 | 12.3   | 11.9   | 12.0   | 12.1   | 12.4   | 12.6   | 12.7   | 12.8   | 12.9   | 12.9   | 13.1   | 13.1   | 13.0   | 13.7   |        |      |                |  |
| Tobacco stemming and redrying                                 | 10.8   | 5.4    | 5.1    | 5.7    | 5.4    | 5.9    | 7.4    | 10.8   | 10.7   | 10.2   | 12.9   | 16.0   | 10.1   | 11.2   |        |      |                |  |
| Textile-mill products   | 1,345  | 1,316  | 1,249  | 1,264  | 1,252  | 1,261  | 1,272  | 1,273  | 1,265  | 1,274  | 1,272  | 1,220  | 1,224  | 1,362  |        |      |                |  |
| Yarn-and-thread mills   | 164.7  | 156.6  | 153.3  | 153.3  | 154.7  | 158.5  | 159.4  | 157.8  | 157.7  | 156.1  | 153.3  | 148.5  | 149.3  | 177.6  |        |      |                |  |
| Broad-woven fabric mills                                      | 625.7  | 606.0  | 610.4  | 602.9  | 602.8  | 604.2  | 606.0  | 597.8  | 604.1  | 601.9  | 594.8  | 577.0  | 581.9  | 645.7  |        |      |                |  |
| Knitting mills  | 246.5  | 228.3  | 230.9  | 231.6  | 236.1  | 236.1  | 241.1  | 241.1  | 247.4  | 244.8  | 244.8  | 237.0  | 231.4  | 249.0  |        |      |                |  |
| Dyeing and finishing textiles                                 | 89.0   | 84.9   | 86.4   | 86.4   | 85.4   | 88.3   | 89.5   | 89.9   | 89.3   | 90.0   | 89.5   | 87.3   | 85.4   | 86.4   | 88.8   |      |                |  |
| Carpets, rugs, other floor coverings                          | 60.8   | 58.4   | 59.8   | 59.8   | 60.9   | 60.5   | 60.3   | 59.3   | 59.3   | 58.8   | 58.1   | 57.5   | 55.9   | 58.9   | 64.8   |      |                |  |
| Other textile-mill products                                   | 128.8  | 120.3  | 119.8  | 117.9  | 119.6  | 121.2  | 119.3  | 119.1  | 118.6  | 118.4  | 115.8  | 116.0  | 115.2  |        |        |      |                |  |
| Apparel and other finished textile products                   | 1,214  | 1,203  | 1,096  | 1,093  | 1,091  | 1,119  | 1,174  | 1,180  | 1,146  | 1,186  | 1,144  | 1,109  | 1,108  | 1,136  | 1,162  |      |                |  |
| Men's and boys' suits and coats                               | 152.6  | 140.4  | 148.5  | 143.2  | 146.0  | 149.2  | 148.9  | 143.5  | 140.7  | 130.6  | 141.5  | 146.5  | 141.5  | 154.4  |        |      |                |  |
| Men's and boys' furnishings and work clothing                 | 208.4  | 247.9  | 255.1  | 256.0  | 258.6  | 262.2  | 260.8  | 258.5  | 264.5  | 260.6  | 270.5  | 264.5  | 257.8  | 260.1  |        |      |                |  |
| Women's outerwear   | 341.3  | 301.3  | 281.3  | 285.2  | 305.2  | 328.9  | 346.2  | 334.9  | 330.1  | 313.2  | 342.2  | 333.1  | 328.6  | 342.6  |        |      |                |  |
| Women's, children's undergarments                             | 102.8  | 95.2   | 98.9   | 101.3  | 105.5  | 107.1  | 106.3  | 102.3  | 104.4  | 108.5  | 107.2  | 104.0  | 98.9   | 97.4   |        |      |                |  |
| Millinery   | 23.8   | 20.2   | 17.8   | 18.9   | 20.7   | 20.7   | 26.5   | 24.5   | 22.3   | 18.5   | 23.8   | 24.0   | 22.3   | 22.0   |        |      |                |  |
| Children's outerwear  | 68.3   | 66.9   | 65.3   | 62.6   | 63.6   | 68.4   | 68.5   | 65.6   | 65.6   | 65.8   | 68.2   | 67.9   | 63.4   | 65.5   |        |      |                |  |
| Fur goods and miscellaneous apparel                           | 96.0   | 86.3   | 88.6   | 85.4   | 82.6   | 83.6   | 82.8   | 80.0   | 90.0   | 95.9   | 98.4   | 95.5   | 88.2   | 90.1   |        |      |                |  |
| Other fabricated textile products                             | 149.7  | 137.6  | 137.8  | 137.9  | 136.9  | 138.4  | 137.9  | 137.3  | 139.1  | 141.7  | 146.8  | 142.2  | 135.8  | 125.6  |        |      |                |  |
| Lumber and wood products (except furniture)                   | 841    | 838    | 809    | 803    | 784    | 753    | 738    | 713    | 702    | 744    | 753    | 750    | 743    | 736    | 812    |      |                |  |
| Logging camps and contractors                                 | 78.8   | 76.5   | 73.7   | 67.4   | 59.2   | 59.3   | 49.2   | 45.0   | 61.5   | 63.7   | 64.0   | 59.5   | 61.4   | 72.8   |        |      |                |  |
| Sawmills and planing mills                                    | 488.3  | 471.2  | 467.3  | 459.1  | 439.8  | 429.8  | 416.1  | 411.2  | 433.9  | 442.7  | 444.0  | 445.4  | 431.7  | 472.9  |        |      |                |  |
| Millwork, plywood, and prefabricated structural wood products | 129.6  | 125.2  | 124.4  | 122.0  | 120.2  | 117.2  | 116.8  | 116.7  | 117.4  | 116.3  | 113.4  | 110.1  | 110.5  | 119.5  |        |      |                |  |
| Wooden containers   | 79.2   | 77.1   | 77.9   | 75.5   | 74.4   | 73.2   | 73.0   | 72.6   | 73.7   | 73.0   | 72.2   | 71.7   | 73.3   | 81.8   |        |      |                |  |
| Miscellaneous wood products                                   | 61.7   | 58.9   | 59.3   | 59.9   | 59.8   | 58.8   | 57.7   | 56.8   | 57.1   | 56.9   | 56.7   | 56.7   | 59.0   | 65.2   |        |      |                |  |
| Furniture and fixtures  | 373    | 365    | 349    | 348    | 347    | 344    | 341    | 333    | 332    | 327    | 327    | 319    | 315    | 348    |        |      |                |  |
| Household furniture   | 261.5  | 249.5  | 249.8  | 248.5  | 248.8  | 247.3  | 244.9  | 238.1  | 236.8  | 235.8  | 232.6  | 231.2  | 223.9  | 220.0  | 247.0  |      |                |  |
| Other furniture and fixtures                                  | 103.7  | 99.2   | 99.5   | 99.4   | 98.6   | 97.1   | 96.1   | 95.5   | 94.1   | 95.7   | 95.1   | 94.6   | 100.9  |        |        |      |                |  |
| Paper and allied products                                     | 490    | 481    | 466    | 467    | 459    | 458    | 455    | 453    | 451    | 455    | 458    | 456    | 448    | 447    | 470    |      |                |  |
| Pulp, paper, and paperboard mills                             | 259.1  | 234.8  | 235.2  | 231.8  | 230.6  | 229.2  | 229.3  | 228.4  | 229.0  | 229.3  | 228.1  | 225.6  | 226.9  | 240.7  |        |      |                |  |
| Paperboard containers and boxes                               | 131.8  | 123.5  | 124.2  | 121.3  | 120.5  | 120.0  | 119.8  | 119.5  | 123.1  | 125.6  | 124.2  | 119.4  | 117.1  | 121.4  |        |      |                |  |
| Other paper and allied products                               | 110.1  | 107.3  | 107.6  | 105.7  | 105.6  | 104.7  | 103.7  | 102.5  | 102.7  | 102.8  | 103.8  | 102.9  | 103.1  | 107.6  |        |      |                |  |

See footnotes at end of table.

TABLE A-2: Employees in Nonagricultural Establishments, by Industry Division and Group<sup>1</sup>—Con.  
[In thousands]

| Industry group and industry  | 1950  |       |       |       |       |       |       |       |       |       |       |       | 1949  |       | Annual average |  |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|--|
|  | Sept. | Aug.  | July  | June  | May   | Apr.  | Mar.  | Feb.  | Jan.  | Dec.  | Nov.  | Oct.  | Sept. | 1949  | 1948           |  |
|  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                |  |
| <b>Manufacturing—Continued</b>   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                |  |
| Printing, publishing, and allied industries  | 746   | 742   | 740   | 739   | 736   | 735   | 734   | 732   | 730   | 739   | 736   | 735   | 728   | 727   | 725            |  |
| Newspapers   | 292.8 | 295.4 | 295.0 | 293.9 | 293.5 | 291.6 | 289.5 | 285.7 | 286.6 | 288.6 | 288.2 | 286.4 | 282.5 | 267.5 |                |  |
| Periodicals  | 51.9  | 51.8  | 51.4  | 51.6  | 51.5  | 52.0  | 52.1  | 53.3  | 53.0  | 52.9  | 53.2  | 53.3  | 53.4  | 54.7  |                |  |
| Books  | 47.7  | 46.1  | 46.3  | 46.0  | 45.3  | 45.2  | 44.8  | 45.4  | 45.0  | 45.2  | 45.7  | 45.8  | 45.1  | 44.6  | 46.6           |  |
| Commercial printing  | 198.8 | 198.0 | 199.6 | 197.9 | 198.9 | 199.2 | 198.5 | 200.4 | 201.5 | 198.0 | 199.2 | 195.0 | 197.1 | 197.5 |                |  |
| Lithographing  | 41.1  | 40.2  | 40.0  | 40.0  | 39.9  | 40.1  | 40.1  | 42.2  | 42.2  | 41.6  | 41.6  | 41.8  | 41.1  | 41.1  | 45.1           |  |
| Other printing and publishing  | 109.3 | 108.0 | 106.8 | 105.7 | 106.3 | 106.7 | 106.8 | 108.1 | 108.1 | 107.7 | 107.7 | 108.0 | 108.0 | 113.3 |                |  |
| Chemicals and allied products  | 698   | 683   | 668   | 670   | 671   | 675   | 671   | 665   | 658   | 660   | 662   | 665   | 654   | 654   | 659            |  |
| Industrial inorganic chemicals   | 67.3  | 69.7  | 72.9  | 71.4  | 70.5  | 69.4  | 68.8  | 65.8  | 66.3  | 67.1  | 65.7  | 68.4  | 68.4  | 70.9  |                |  |
| Industrial organic chemicals   | 202.3 | 200.1 | 198.4 | 195.7 | 194.1 | 191.9 | 189.5 | 187.9 | 187.8 | 187.0 | 185.6 | 184.7 | 192.1 | 192.1 | 210.3          |  |
| Drugs and medicines  | 96.5  | 95.1  | 94.2  | 93.1  | 93.4  | 91.1  | 91.4  | 94.6  | 94.6  | 94.1  | 93.7  | 92.7  | 92.3  | 95.5  |                |  |
| Paints, pigments, and fillers  | 73.9  | 72.6  | 71.5  | 69.7  | 69.1  | 68.9  | 68.3  | 67.6  | 67.1  | 67.6  | 67.9  | 66.3  | 67.3  | 67.3  | 70.7           |  |
| Fertilizers  | 29.6  | 28.4  | 30.2  | 36.2  | 41.6  | 40.9  | 38.5  | 32.5  | 30.7  | 30.3  | 32.8  | 31.3  | 34.3  | 35.9  |                |  |
| Vegetable and animal oils and fats   | 48.9  | 46.8  | 48.2  | 50.0  | 53.2  | 55.3  | 56.2  | 59.2  | 62.1  | 63.4  | 64.9  | 58.8  | 56.1  | 56.2  |                |  |
| Other chemicals and allied products  | 164.5 | 155.6 | 154.9 | 154.4 | 153.0 | 152.4 | 150.3 | 151.5 | 153.6 | 153.5 | 153.7 | 153.0 | 153.0 | 153.0 | 165.0          |  |
| Products of petroleum and coal   | 249   | 254   | 240   | 239   | 236   | 234   | 241   | 242   | 242   | 245   | 245   | 241   | 247   | 245   | 250            |  |
| Petroleum refining   | 200.6 | 188.5 | 187.8 | 186.2 | 185.7 | 184.9 | 185.1 | 185.4 | 185.6 | 187.2 | 187.6 | 190.2 | 190.7 | 190.1 |                |  |
| Coke and byproducts  | 21.5  | 21.2  | 21.1  | 20.7  | 20.5  | 19.7  | 19.6  | 20.2  | 20.4  | 18.7  | 18.5  | 19.3  | 19.5  | 20.0  |                |  |
| Other petroleum and coal products  | 32.3  | 30.4  | 30.1  | 28.6  | 27.8  | 26.9  | 26.8  | 26.3  | 27.0  | 28.7  | 30.1  | 28.4  | 27.1  | 30.8  |                |  |
| Rubber products  | 263   | 258   | 249   | 247   | 241   | 238   | 237   | 236   | 234   | 234   | 233   | 234   | 200   | 234   | 259            |  |
| Tires and inner tubes  | 112.9 | 110.8 | 110.8 | 108.1 | 106.1 | 106.3 | 105.8 | 105.6 | 104.3 | 103.5 | 103.5 | 102.5 | 106.8 | 121.1 |                |  |
| Rubber footwear  | 25.8  | 24.1  | 24.2  | 23.9  | 24.1  | 24.2  | 23.6  | 24.9  | 27.0  | 27.0  | 26.4  | 25.9  | 25.4  | 25.9  |                |  |
| Other rubber products  | 119.5 | 113.9 | 112.4 | 108.8 | 107.4 | 106.1 | 106.2 | 104.1 | 102.7 | 104.4 | 104.1 | 100.9 | 100.5 | 107.9 |                |  |
| Leather and leather products   | 410   | 410   | 391   | 382   | 374   | 370   | 396   | 395   | 388   | 382   | 372   | 390   | 395   | 388   | 410            |  |
| Leather  | 51.3  | 49.6  | 49.6  | 49.5  | 49.5  | 50.0  | 50.1  | 49.4  | 49.4  | 49.7  | 49.7  | 49.1  | 49.7  | 54.2  |                |  |
| Footwear (except rubber)   | 290.5 | 252.8 | 247.2 | 240.4 | 244.3 | 257.4 | 257.4 | 254.4 | 247.2 | 232.4 | 232.4 | 249.2 | 265.5 | 251.0 | 260.1          |  |
| Other leather products   | 97.9  | 88.2  | 84.9  | 83.8  | 85.4  | 88.4  | 87.9  | 83.2  | 85.5  | 90.2  | 91.2  | 90.1  | 87.2  | 95.4  |                |  |
| Stone, clay, and glass products  | 529   | 532   | 512   | 511   | 501   | 487   | 478   | 475   | 469   | 479   | 477   | 478   | 482   | 484   | 514            |  |
| Glass and glass products   | 138.0 | 130.6 | 134.4 | 134.7 | 128.8 | 124.8 | 123.9 | 121.7 | 122.7 | 123.2 | 122.2 | 122.7 | 122.6 | 123.9 |                |  |
| Cement, hydraulic  | 43.5  | 42.6  | 42.6  | 42.2  | 41.5  | 40.6  | 41.0  | 41.7  | 42.2  | 40.6  | 40.6  | 40.5  | 42.4  | 41.8  | 40.9           |  |
| Structural clay products   | 86.9  | 85.1  | 83.0  | 80.2  | 76.0  | 75.5  | 75.2  | 75.2  | 77.4  | 76.6  | 75.2  | 79.3  | 79.8  | 83.4  |                |  |
| Pottery and related products   | 56.6  | 54.8  | 56.0  | 57.6  | 57.6  | 58.0  | 57.6  | 57.6  | 56.1  | 57.0  | 57.6  | 57.2  | 55.8  | 57.5  | 60.6           |  |
| Concrete, gypsum, and plaster products   | 99.8  | 95.6  | 93.9  | 90.0  | 86.4  | 84.0  | 83.6  | 81.4  | 85.1  | 86.1  | 86.8  | 87.1  | 84.6  | 87.8  |                |  |
| Other stone, clay, and glass products  | 107.5 | 103.5 | 101.4 | 99.4  | 97.1  | 94.7  | 94.1  | 93.2  | 94.3  | 93.1  | 92.0  | 94.6  | 97.1  | 105.9 |                |  |
| Primary metal industries   | 1,279 | 1,257 | 1,221 | 1,216 | 1,190 | 1,171 | 1,144 | 1,137 | 1,121 | 1,112 | 891   | 703   | 1,067 | 1,101 | 1,247          |  |
| Blast furnaces, steel works, and rolling mills                                       | 630.5 | 620.8 | 616.4 | 606.3 | 599.2 | 583.3 | 587.5 | 584.5 | 580.4 | 592.3 | 591.3 | 572.5 | 550.4 | 612.0 |                |  |
| Iron and steel foundries   | 241.5 | 229.8 | 227.0 | 220.8 | 215.7 | 206.6 | 203.0 | 198.3 | 198.8 | 198.5 | 198.5 | 200.8 | 217.0 | 259.3 |                |  |
| Primary smelting and refining of nonferrous metals                                   | 55.1  | 54.2  | 55.2  | 54.6  | 54.2  | 54.4  | 54.1  | 51.1  | 49.6  | 46.2  | 47.9  | 51.0  | 52.3  | 55.6  |                |  |
| Rolling, drawing, and alloying of nonferrous metals                                  | 100.5 | 96.1  | 96.2  | 95.1  | 93.2  | 92.4  | 90.6  | 89.0  | 88.1  | 76.9  | 85.5  | 83.0  | 87.0  | 103.8 |                |  |
| Nonferrous foundries   | 95.8  | 92.3  | 91.4  | 87.3  | 84.3  | 83.3  | 80.8  | 79.0  | 78.4  | 74.4  | 76.3  | 74.0  | 75.8  | 85.2  |                |  |
| Other primary metal industries   | 133.4 | 128.1 | 129.2 | 126.1 | 124.1 | 121.6 | 120.8 | 119.0 | 117.1 | 108.4 | 103.5 | 116.1 | 118.4 | 130.7 |                |  |
| Fabricated metal products (except ornamental machinery and transportation equipment) | 991   | 973   | 928   | 923   | 894   | 876   | 863   | 851   | 846   | 841   | 820   | 829   | 863   | 859   | 976            |  |
| Tin cans and other tinware   | 56.0  | 51.5  | 48.6  | 45.5  | 44.6  | 43.5  | 41.8  | 42.1  | 42.1  | 43.8  | 46.4  | 48.9  | 45.8  | 48.7  |                |  |
| Cutlery, hand tools, and hardware  | 156.4 | 152.7 | 156.2 | 154.3 | 152.5 | 151.2 | 147.3 | 145.2 | 142.9 | 139.1 | 140.2 | 137.4 | 142.3 | 154.4 |                |  |
| Heating apparatus (except electric) and plumbers' supplies                           | 159.5 | 147.5 | 148.1 | 144.4 | 143.9 | 140.4 | 137.8 | 133.0 | 136.8 | 138.3 | 141.3 | 134.6 | 132.0 | 145.8 |                |  |
| Fabricated structural metal products   | 210.7 | 201.7 | 198.0 | 192.4 | 190.3 | 187.6 | 185.1 | 182.6 | 187.9 | 173.0 | 202.1 | 198.5 | 215.9 |       |                |  |
| Metal stamping, coining, and engraving   | 179.2 | 171.7 | 170.7 | 162.6 | 156.3 | 152.9 | 152.1 | 151.2 | 147.0 | 141.6 | 148.4 | 151.6 | 147.9 | 172.2 |                |  |
| Other fabricated metal products  | 211.4 | 202.7 | 201.2 | 198.0 | 188.0 | 187.7 | 187.0 | 188.9 | 187.1 | 178.2 | 179.4 | 188.2 | 192.4 | 219.0 |                |  |
| Machinery (except electrical)  | 1,368 | 1,356 | 1,338 | 1,341 | 1,328 | 1,307 | 1,283 | 1,261 | 1,238 | 1,229 | 1,209 | 1,223 | 1,236 | 1,311 | 1,533          |  |
| Engines and turbines   | 74.6  | 72.5  | 73.5  | 73.6  | 70.9  | 68.7  | 66.5  | 67.7  | 65.9  | 66.4  | 64.5  | 67.6  | 72.5  | 83.8  |                |  |
| Agricultural machinery and tractors  | 180.2 | 182.0 | 180.5 | 180.7 | 180.5 | 177.6 | 175.2 | 171.0 | 168.3 | 162.7 | 168.0 | 178.9 | 181.3 | 191.3 |                |  |
| Construction and mining machinery  | 101.2 | 99.1  | 98.1  | 95.9  | 95.4  | 93.4  | 91.3  | 96.6  | 89.2  | 90.5  | 88.8  | 101.3 | 122.6 |       |                |  |
| Metalworking machinery (except metalworking machinery)                               | 220.8 | 210.3 | 212.3 | 207.2 | 204.5 | 201.6 | 198.4 | 196.7 | 196.6 | 197.9 | 199.1 | 208.7 | 208.7 | 219.5 |                |  |
| Special-industry machinery (except metalworking machinery)                           | 168.4 | 164.7 | 165.4 | 162.7 | 160.8 | 158.7 | 157.1 | 155.9 | 156.6 | 157.0 | 158.8 | 161.5 | 171.8 | 201.9 |                |  |
| General industrial machinery   | 188.5 | 182.7 | 182.8 | 181.3 | 178.8 | 175.7 | 174.0 | 172.8 | 173.1 | 173.2 | 175.9 | 177.6 | 186.4 | 209.8 |                |  |
| Office and store machines and devices  | 90.4  | 89.6  | 89.3  | 88.4  | 88.0  | 87.0  | 85.4  | 84.7  | 86.2  | 87.5  | 88.8  | 88.5  | 90.6  | 109.1 |                |  |
| Service-industry and household machines  | 176.5 | 177.9 | 180.8 | 181.5 | 175.6 | 169.3 | 163.9 | 155.2 | 149.3 | 139.0 | 136.4 | 130.2 | 145.4 | 191.3 |                |  |
| Miscellaneous machinery parts  | 165.7 | 160.5 | 158.5 | 156.2 | 152.6 | 149.3 | 147.0 | 143.9 | 142.9 | 138.8 | 143.7 | 143.5 | 153.2 | 183.4 |                |  |
| Electrical machinery   | 853   | 857   | 820   | 810   | 800   | 791   | 770   | 772   | 762   | 762   | 750   | 753   | 734   | 750   | 869            |  |
| Electrical generating, transmission, distribution, and industrial apparatus          | 323.2 | 314.3 | 308.2 | 306.7 | 303.3 | 300.0 | 298.1 | 294.1 | 294.8 | 292.2 | 289.7 | 286.8 | 285.2 | 332.9 |                |  |
| Electrical equipment for vehicles  | 70.8  | 70.1  | 68.9  | 67.8  | 66.6  | 65.1  | 65.5  | 64.9  | 59.1  | 65.9  | 64.4  | 64.5  | 69.0  |       |                |  |
| Communication equipment  | 321.4 | 298.9 | 296.1 | 289.4 | 287.6 | 283.2 | 279.7 | 276.7 | 275.5 | 275.7 | 270.1 | 257.9 | 271.1 | 312.2 |                |  |
| Electrical appliances, lamps, and miscellaneous products                             | 139.9 | 136.6 | 136.6 | 136.5 | 133.7 | 130.5 | 128.8 | 126.0 | 126.9 | 125.7 | 127.0 | 124.0 | 128.3 | 154.8 |                |  |

See footnotes at end of table.

TABLE A-2: Employees in Nonagricultural Establishments, by Industry Division and Group<sup>1</sup>—Con.

(In thousands)

| Industry group and industry                  | 1950         |              |              |              |              |              |              |              |              |              |              | 1949         |              |              |              |  | Annual average |  |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--|----------------|--|
|  | Sept.        | Aug.         | July         | June         | May          | Apr.         | Mar.         | Feb.         | Jan.         | Dec.         | Nov.         | Oct.         | Sept.        | 1949         | 1948         |  |                |  |
| <b>Manufacturing—Continued</b>               |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |  |                |  |
| Transportation equipment                     | 1,376        | 1,354        | 1,304        | 1,305        | 1,289        | 1,122        | 1,100        | 1,091        | 1,197        | 1,112        | 1,112        | 1,208        | 1,240        | 1,212        | 1,263        |  |                |  |
| Automobiles                                  | 913.6        | 880.1        | 893.4        | 882.4        | 720.3        | 698.9        | 689.0        | 707.4        | 703.2        | 697.1        | 789.2        | 810.2        | 769.0        | 792.8        |              |  |                |  |
| Aircraft and parts                           | 274.8        | 260.2        | 256.4        | 253.9        | 253.3        | 254.2        | 253.3        | 251.0        | 252.8        | 252.5        | 252.5        | 253.3        | 255.6        | 258.3        | 258.1        |  |                |  |
| Aircraft                                     | 185.7        | 173.6        | 170.5        | 169.0        | 167.9        | 166.5        | 166.1        | 166.1        | 167.0        | 166.8        | 168.8        | 171.2        | 169.7        | 151.7        |              |  |                |  |
| Aircraft engines and parts                   | 54.1         | 53.0         | 52.1         | 50.7         | 50.7         | 50.6         | 50.2         | 50.1         | 50.8         | 51.2         | 52.1         | 52.4         | 51.8         | 46.7         |              |  |                |  |
| Aircraft propellers and parts                | 7.5          | 7.7          | 7.8          | 7.9          | 7.9          | 8.0          | 8.1          | 8.1          | 8.0          | 8.2          | 8.2          | 7.9          | 7.9          | 7.4          |              |  |                |  |
| Other aircraft parts and equipment           | 27.5         | 25.8         | 26.3         | 26.8         | 27.3         | 27.3         | 26.9         | 27.0         | 26.2         | 26.3         | 26.5         | 26.2         | 27.2         | 27.4         |              |  |                |  |
| Ship and boat building and repairing         | 91.1         | 80.6         | 80.9         | 80.0         | 79.9         | 80.2         | 81.2         | 82.8         | 83.3         | 82.7         | 88.6         | 100.3        | 140.7        |              |              |  |                |  |
| Ship building and repairing <sup>4</sup>     | 77.7         | 66.8         | 66.4         | 66.2         | 66.7         | 68.3         | 70.0         | 68.9         | 72.3         | 74.8         | 72.4         | 77.9         | 88.2         | 124.2        |              |  |                |  |
| Railroad equipment                           | 62.2         | 61.7         | 63.5         | 61.6         | 58.4         | 59.2         | 60.1         | 60.6         | 64.2         | 65.3         | 65.2         | 71.2         | 76.1         | 84.8         |              |  |                |  |
| Other transportation equipment               | 12.6         | 11.4         | 11.1         | 10.7         | 10.1         | 9.6          | 9.1          | 7.7          | 9.6          | 11.6         | 12.0         | 11.4         | 10.9         | 16.6         |              |  |                |  |
| Instruments and related products             | 270          | 256          | 243          | 243          | 238          | 236          | 234          | 232          | 233          | 234          | 234          | 235          | 233          | 238          | 260          |  |                |  |
| Ophthalmic goods                             | 25.1         | 24.7         | 24.8         | 24.8         | 25.0         | 25.1         | 25.1         | 25.1         | 25.2         | 25.2         | 25.8         | 26.0         | 25.8         | 25.2         |              |  |                |  |
| Photographic apparatus                       | 52.7         | 51.0         | 50.1         | 49.1         | 48.5         | 48.2         | 48.1         | 48.3         | 48.8         | 49.1         | 49.7         | 49.5         | 52.6         | 60.3         |              |  |                |  |
| Watches and clocks                           | 29.9         | 27.8         | 28.1         | 28.0         | 28.5         | 28.9         | 29.3         | 30.3         | 31.4         | 31.9         | 32.2         | 31.7         | 31.4         | 40.8         |              |  |                |  |
| Professional and scientific instruments      | 147.9        | 139.5        | 139.8        | 136.5        | 133.7        | 131.5        | 129.7        | 129.2        | 128.1        | 127.7        | 126.9        | 125.8        | 127.1        | 130.5        |              |  |                |  |
| Miscellaneous manufacturing industries       | 489          | 469          | 429          | 439          | 434          | 405          | 433          | 429          | 420          | 436          | 455          | 457          | 439          | 426          | 466          |  |                |  |
| Jewelry, silverware, and plated ware         | 55.7         | 51.4         | 52.8         | 52.7         | 52.7         | 53.2         | 54.4         | 54.2         | 56.2         | 57.5         | 57.2         | 54.9         | 55.4         | 60.3         |              |  |                |  |
| Toys and sporting goods                      | 79.9         | 72.0         | 72.6         | 70.3         | 69.5         | 67.2         | 63.8         | 61.7         | 66.8         | 76.4         | 76.9         | 72.3         | 68.7         | 80.8         |              |  |                |  |
| Costume jewelry, buttons, notions            | 59.0         | 51.8         | 52.4         | 51.4         | 53.1         | 53.1         | 59.4         | 56.7         | 58.4         | 63.5         | 64.5         | 62.9         | 57.7         | 62.3         |              |  |                |  |
| Other miscellaneous manufacturing industries | 274.6        | 253.9        | 261.3        | 260.0        | 259.8        | 258.5        | 251.3        | 246.9        | 254.6        | 257.9        | 251.1        | 248.5        | 243.8        | 262.8        |              |  |                |  |
| <b>Transportation and public utilities</b>   | <b>4,116</b> | <b>4,116</b> | <b>4,000</b> | <b>4,023</b> | <b>3,885</b> | <b>3,929</b> | <b>3,873</b> | <b>3,841</b> | <b>3,889</b> | <b>3,930</b> | <b>3,898</b> | <b>3,871</b> | <b>3,930</b> | <b>3,977</b> | <b>4,151</b> |  |                |  |
| Transportation                               | 2,895        | 2,889        | 2,839        | 2,813        | 2,685        | 2,733        | 2,682        | 2,651        | 2,732        | 2,689        | 2,664        | 2,739        | 2,754        | 2,934        |              |  |                |  |
| Interstate railroads                         | 1,440        | 1,414        | 1,407        | 1,296        | 1,356        | 1,315        | 1,290        | 1,316        | 1,333        | 1,281        | 1,257        | 1,339        | 1,366        | 1,517        |              |  |                |  |
| Class I railroads                            | 1,272        | 1,245        | 1,240        | 1,135        | 1,188        | 1,148        | 1,123        | 1,148        | 1,149        | 1,114        | 1,100        | 1,166        | 1,191        | 1,327        |              |  |                |  |
| Local railways and bus lines                 | 146          | 147          | 147          | 149          | 150          | 150          | 152          | 153          | 154          | 155          | 156          | 157          | 158          | 163          |              |  |                |  |
| Trucking and warehousing                     | 613          | 589          | 577          | 562          | 554          | 559          | 545          | 540          | 556          | 571          | 566          | 558          | 547          | 566          |              |  |                |  |
| Other transportation and services            | 690          | 689          | 682          | 678          | 673          | 669          | 664          | 667          | 679          | 682          | 683          | 688          | 693          | 697          |              |  |                |  |
| Communication                                | 670          | 671          | 667          | 662          | 659          | 657          | 654          | 655          | 657          | 669          | 665          | 676          | 680          | 696          |              |  |                |  |
| Telephone                                    | 623.0        | 619.5        | 614.6        | 610.7        | 609.2        | 609.0        | 606.7        | 609.1        | 611.7        | 615.5        | 618.5        | 621.7        | 632.2        | 644.3        |              |  |                |  |
| Telegraph                                    | 47.2         | 46.7         | 46.7         | 46.7         | 46.9         | 45.7         | 45.7         | 46.2         | 47.1         | 47.7         | 48.2         | 49.4         | 50.1         | 52.5         | 50.8         |  |                |  |
| Other public utilities                       | 551          | 554          | 544          | 541          | 538          | 537          | 536          | 536          | 538          | 538          | 538          | 538          | 544          | 537          | 521          |  |                |  |
| Gas and electric utilities                   | 530.0        | 528.1        | 522.3        | 515.8        | 512.5        | 511.5        | 510.6        | 511.5        | 513.0        | 513.5        | 513.7        | 518.7        | 512.0        | 497.0        |              |  |                |  |
| Local utilities                              | 26.0         | 25.8         | 25.6         | 25.0         | 25.3         | 25.0         | 25.1         | 24.8         | 24.6         | 24.6         | 24.7         | 24.9         | 24.6         | 23.7         |              |  |                |  |
| <b>Trade</b>                                 | <b>9,558</b> | <b>9,443</b> | <b>9,370</b> | <b>9,411</b> | <b>9,398</b> | <b>9,346</b> | <b>9,206</b> | <b>9,152</b> | <b>9,346</b> | <b>9,156</b> | <b>9,037</b> | <b>9,305</b> | <b>9,400</b> | <b>9,459</b> | <b>9,491</b> |  |                |  |
| Wholesale trade                              | 2,600        | 2,574        | 2,524        | 2,502        | 2,479        | 2,477        | 2,484        | 2,495        | 2,511        | 2,542        | 2,538        | 2,554        | 2,538        | 2,522        | 2,533        |  |                |  |
| Retail trade                                 | 6,986        | 6,869        | 6,846        | 6,909        | 6,847        | 6,869        | 6,722        | 6,657        | 6,735        | 7,614        | 7,069        | 6,951        | 6,871        | 6,916        | 6,958        |  |                |  |
| General merchandise stores                   | 1,461        | 1,377        | 1,365        | 1,411        | 1,412        | 1,466        | 1,392        | 1,360        | 1,392        | 1,987        | 1,590        | 1,489        | 1,432        | 1,480        | 1,470        |  |                |  |
| Food and liquor stores                       | 1,199        | 1,200        | 1,203        | 1,205        | 1,204        | 1,200        | 1,192        | 1,185        | 1,187        | 1,217        | 1,200        | 1,192        | 1,198        | 1,195        |              |  |                |  |
| Automotive and accessories dealers           | 741          | 747          | 746          | 733          | 714          | 706          | 699          | 700          | 701          | 717          | 704          | 696          | 692          | 676          | 634          |  |                |  |
| Apparel and accessories stores               | 516          | 488          | 499          | 536          | 533          | 545          | 519          | 496          | 513          | 632          | 560          | 557          | 542          | 554          | 577          |  |                |  |
| Other retail trade                           | 3,069        | 3,057        | 3,033        | 3,024        | 2,984        | 2,952        | 2,920        | 2,916        | 2,942        | 3,061        | 3,007        | 3,009        | 3,013        | 3,008        | 3,081        |  |                |  |
| <b>Finance</b>                               | <b>1,828</b> | <b>1,838</b> | <b>1,832</b> | <b>1,827</b> | <b>1,812</b> | <b>1,803</b> | <b>1,791</b> | <b>1,777</b> | <b>1,772</b> | <b>1,770</b> | <b>1,766</b> | <b>1,767</b> | <b>1,771</b> | <b>1,763</b> | <b>1,718</b> |  |                |  |
| Banks and trust companies                    | 435          | 433          | 427          | 421          | 420          | 419          | 416          | 415          | 416          | 415          | 416          | 417          | 416          | 403          |              |  |                |  |
| Security dealers and exchanges               | 61.3         | 61.3         | 60.0         | 59.2         | 58.2         | 57.7         | 57.2         | 56.1         | 55.4         | 55.1         | 55.0         | 55.5         | 55.5         | 57.9         |              |  |                |  |
| Insurance carriers and agents                | 658          | 662          | 646          | 640          | 639          | 637          | 634          | 630          | 627          | 626          | 627          | 619          | 620          | 580          |              |  |                |  |
| Other finance agencies and real estate       | 684          | 686          | 694          | 692          | 686          | 677          | 670          | 671          | 669          | 671          | 672          | 672          | 672          | 666          |              |  |                |  |
| <b>Service</b>                               | <b>4,816</b> | <b>4,838</b> | <b>4,842</b> | <b>4,826</b> | <b>4,704</b> | <b>4,737</b> | <b>4,706</b> | <b>4,886</b> | <b>4,701</b> | <b>4,728</b> | <b>4,768</b> | <b>4,704</b> | <b>4,833</b> | <b>4,781</b> | <b>4,799</b> |  |                |  |
| Hotels and lodging places                    | 512          | 515          | 482          | 474          | 471          | 459          | 456          | 428          | 440          | 441          | 451          | 447          | 446          | 446          | 447          |  |                |  |
| Laundries                                    | 358.8        | 363.8        | 362.1        | 353.7        | 347.4        | 346.5        | 345.0        | 346.9        | 346.7        | 347.7        | 350.6        | 355.8        | 352.2        | 356.1        |              |  |                |  |
| Cleaning and dyeing plants                   | 147.1        | 151.5        | 155.9        | 150.1        | 146.1        | 141.3        | 139.7        | 141.1        | 142.7        | 144.7        | 147.4        | 146.9        | 149.0        |              |              |  |                |  |
| Motion pictures                              | 245          | 249          | 240          | 236          | 236          | 236          | 235          | 238          | 238          | 238          | 238          | 237          | 237          | 241          |              |  |                |  |
| <b>Government</b>                            | <b>6,015</b> | <b>5,798</b> | <b>5,741</b> | <b>5,832</b> | <b>5,800</b> | <b>5,915</b> | <b>5,799</b> | <b>5,743</b> | <b>5,777</b> | <b>6,041</b> | <b>6,788</b> | <b>5,886</b> | <b>5,883</b> | <b>5,813</b> | <b>5,618</b> |  |                |  |
| Federal                                      | 1,916        | 1,841        | 1,820        | 1,831        | 1,800        | 1,939        | 1,802        | 1,800        | 1,804        | 2,101        | 1,823        | 1,852        | 1,802        | 1,827        |              |  |                |  |
| State and local                              | 4,099        | 3,957        | 3,921        | 3,981        | 4,010        | 3,976        | 3,967        | 3,942        | 3,973        | 3,940        | 3,900        | 4,003        | 4,001        | 3,911        | 3,785        |  |                |  |

<sup>1</sup> The Bureau of Labor Statistics' series of employment in nonagricultural establishments are based upon reports submitted by cooperating establishments and, therefore, differ from employment information obtained by household interviews, such as the Monthly Report on the Labor Force (table A-1), in several important respects. The Bureau of Labor Statistics' data cover all full- and part-time employees in private nonagricultural establishments who worked during or received pay for the pay period ending nearest the 15th of the month; in Federal establishments during the pay period ending just before the first of the month; and in State and local government during the pay period ending on or just before the last of the month, while the Monthly Report on the Labor Force data relate to the calendar week which contains the 8th day of the month. Proprietors, self-employed persons, domestic servants and persons in the Armed Forces are excluded from the BLS but not the M.R.F. series. These employment figures have been adjusted to levels indicated by social insurance data through 1947. Revised data in all except the first four columns will be identified by an asterisk (\*) for the first month's publication of such data.

<sup>2</sup> Includes ordinance and accessories; lumber and wood products (except furniture); furniture and fixtures; stone, clay, and glass products; primary metal industries; fabricated metal products (except ordinance, machinery, and transportation equipment); machinery (except electrical); electrical machinery; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

<sup>3</sup> Includes food and kindred products; tobacco manufactures; textile-mill products; apparel and other finished textile products; paper and allied products; printing, publishing, and allied industries; chemicals and allied products; products of petroleum and coal; rubber products; and leather and leather products.

<sup>4</sup> Data by region, from January 1940, are available upon request to the Bureau of Labor Statistics.

<sup>5</sup> See footnote, table A-3.

TABLE A-3: Production Workers in Mining and Manufacturing Industries<sup>1</sup>

(In thousands)

| Industry group and industry                                   | 1940   |        |        |        |        |        |        |        |        |        | 1949   |        |        |        | Annual average |  |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|--|
|   | Sept.  | Aug.   | July   | June   | May    | Apr.   | Mar.   | Feb.   | Jan.   | Dec.   | Nov.   | Oct.   | Sept.  | 1949   | 1948           |  |
| Mining: <sup>2</sup>  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |                |  |
| Metals  | 91.3   | 91.6   | 90.0   | 88.5   | 87.2   | 87.3   | 86.9   | 86.2   | 86.1   | 77.9   | 88.9   | 86.6   | 89.0   | 94.0   | 94.7           |  |
| Iron  | 33.3   | 33.0   | 32.4   | 31.8   | 30.3   | 30.5   | 30.2   | 30.4   | 30.6   | 25.4   | 6.2    | 23.2   | 30.4   | 33.6   |                |  |
| Copper  | 25.1   | 24.9   | 24.7   | 24.8   | 24.8   | 24.7   | 24.7   | 24.7   | 24.5   | 24.0   | 23.4   | 23.4   | 23.3   | 24.3   | 25.0           |  |
| Lead and zinc   | 17.4   | 18.1   | 17.4   | 16.7   | 16.6   | 16.6   | 16.5   | 16.0   | 16.1   | 15.0   | 14.7   | 15.6   | 18.1   | 19.2   |                |  |
| Anthracite  | 71.0   | 69.2   | 70.8   | 71.6   | 70.7   | 72.3   | 71.4   | 71.1   | 71.8   | 72.1   | 71.6   | 71.1   | 72.8   | 73.8   |                |  |
| Bituminous-coal   | 383.6  | 355.9  | 385.0  | 387.9  | 393.8  | 398.4  | 360.0  | 322.5  | 392.7  | 375.4  | 72.2   | 389.3  | 373.4  | 413.1  |                |  |
| Crude petroleum and natural gas production:                   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |                |  |
| Petroleum and natural gas production                          | 129.8  | 129.3  | 127.7  | 124.2  | 123.6  | 123.3  | 123.3  | 122.9  | 123.9  | 124.7  | 126.1  | 128.7  | 127.1  | 127.1  |                |  |
| Nonmetallic mining and quarrying                              | 90.9   | 88.9   | 87.6   | 85.0   | 82.4   | 78.3   | 77.3   | 76.7   | 80.1   | 82.8   | 83.2   | 85.8   | 83.7   | 87.6   |                |  |
| Manufacturing   | 12,943 | 12,789 | 12,148 | 12,066 | 11,841 | 11,597 | 11,549 | 11,460 | 11,449 | 11,504 | 11,280 | 11,198 | 11,773 | 11,597 | 12,717         |  |
| Durable goods   | 6,980  | 6,892  | 6,597  | 6,596  | 6,456  | 6,195  | 6,070  | 5,982  | 6,000  | 5,961  | 5,719  | 5,651  | 6,060  | 6,096  | 6,909          |  |
| Nondurable goods  | 5,963  | 5,897  | 5,551  | 5,470  | 5,385  | 5,402  | 5,479  | 5,478  | 5,449  | 5,543  | 5,570  | 5,717  | 5,715  | 5,501  | 5,808          |  |
| Ordnance and accessories                                      | 20.8   | 19.6   | 18.8   | 18.9   | 18.6   | 18.3   | 17.9   | 17.4   | 16.9   | 17.1   | 17.3   | 18.1   | 20.2   | 20.2   | 23.9           |  |
| Food and kindred products                                     | 1,322  | 1,328  | 1,228  | 1,141  | 1,090  | 1,065  | 1,060  | 1,055  | 1,078  | 1,139  | 1,185  | 1,273  | 1,340  | 1,172  | 1,197          |  |
| Meat products   | 235.8  | 234.4  | 232.0  | 227.4  | 223.3  | 228.3  | 231.6  | 243.7  | 251.0  | 242.2  | 236.0  | 230.4  | 231.3  | 215.8  |                |  |
| Dairy products  | 113.6  | 116.2  | 114.4  | 108.2  | 102.8  | 99.1   | 96.7   | 95.1   | 96.1   | 98.9   | 104.0  | 110.4  | 107.9  | 111.0  |                |  |
| Canning and preserving  | 300.5  | 222.4  | 150.6  | 126.8  | 119.9  | 109.3  | 109.8  | 116.5  | 135.6  | 159.8  | 232.2  | 321.5  | 180.8  | 195.3  |                |  |
| Grain-mill products   | 97.6   | 95.7   | 94.6   | 92.2   | 91.4   | 92.1   | 92.0   | 93.2   | 95.0   | 96.9   | 100.3  | 98.0   | 95.3   | 93.6   |                |  |
| Bakery products   | 192.1  | 194.2  | 190.7  | 192.6  | 191.0  | 190.0  | 187.6  | 186.1  | 189.8  | 194.7  | 199.4  | 196.4  | 191.2  | 195.5  |                |  |
| Sugar   | 29.0   | 26.0   | 24.7   | 24.4   | 22.6   | 22.9   | 22.7   | 24.9   | 38.1   | 44.7   | 43.5   | 72     | 28     | 30.0   |                |  |
| Confectionery and related products                            | 85.4   | 73.5   | 73.8   | 72.7   | 74.6   | 78.4   | 80.9   | 84.6   | 90.5   | 95.3   | 99.2   | 91.5   | 83.0   | 85.9   |                |  |
| Beverages   | 167.5  | 162.2  | 156.5  | 146.4  | 140.9  | 139.4  | 134.4  | 135.3  | 141.3  | 146.2  | 149.2  | 157.3  | 150.6  | 161.4  |                |  |
| Miscellaneous food products                                   | 106.7  | 103.5  | 103.3  | 99.4   | 98.4   | 100.7  | 99.4   | 98.1   | 101.3  | 106.1  | 108.9  | 107.8  | 103.8  | 108.1  |                |  |
| Tobacco manufactures  | 90     | 82     | 75     | 75     | 76     | 76     | 78     | 81     | 85     | 87     | 89     | 92     | 87     | 93     |                |  |
| Cigarettes  | 22.9   | 23.3   | 22.8   | 22.8   | 22.9   | 22.7   | 22.8   | 23.8   | 24.3   | 24.4   | 24.4   | 24.4   | 24.1   | 24.3   |                |  |
| Cigars  | 38.6   | 36.8   | 37.3   | 37.6   | 37.2   | 38.7   | 40.2   | 40.3   | 41.2   | 43.6   | 43.6   | 43.1   | 42.4   | 46.2   |                |  |
| Tobacco and snuff   | 10.9   | 10.5   | 10.5   | 10.6   | 11.0   | 11.0   | 11.1   | 11.3   | 11.5   | 11.4   | 11.7   | 11.6   | 11.6   | 12.2   |                |  |
| Tobacco stemming and redrying                                 | 9.7    | 4.5    | 4.2    | 4.9    | 4.7    | 5.1    | 6.4    | 9.7    | 11.3   | 11.9   | 14.9   | 9.0    | 9.0    | 9.0    |                |  |
| Textile-mill products   | 1,255  | 1,226  | 1,160  | 1,174  | 1,162  | 1,172  | 1,183  | 1,183  | 1,177  | 1,187  | 1,184  | 1,168  | 1,132  | 1,136  | 1,275          |  |
| Yarn and thread mills   | 154.5  | 146.5  | 146.4  | 143.0  | 144.5  | 148.7  | 149.4  | 148.5  | 148.5  | 147.0  | 144.4  | 139.5  | 140.3  | 168.5  |                |  |
| Broad-woven fabric mills                                      | 595.1  | 570.5  | 579.9  | 572.8  | 572.7  | 574.0  | 570.5  | 567.9  | 573.9  | 571.8  | 564.5  | 547.0  | 551.4  | 615.3  |                |  |
| Knitting mills  | 227.3  | 209.4  | 211.7  | 212.8  | 217.9  | 221.4  | 222.5  | 226.6  | 226.6  | 226.7  | 219.7  | 213.2  | 213.4  | 231.4  |                |  |
| Dyeing and finishing textiles                                 | 79.5   | 75.3   | 76.7   | 76.7   | 78.8   | 80.0   | 80.3   | 79.9   | 80.5   | 80.0   | 78.0   | 76.0   | 76.9   | 80.4   |                |  |
| Carpets, rugs, other floor coverings                          | 53.8   | 51.3   | 52.7   | 52.4   | 53.6   | 53.0   | 52.8   | 51.8   | 51.3   | 50.4   | 49.7   | 48.1   | 51.2   | 57.2   |                |  |
| Other textile-mill products                                   | 115.6  | 106.8  | 105.5  | 104.4  | 104.5  | 103.3  | 107.8  | 105.8  | 105.7  | 105.2  | 105.1  | 102.6  | 102.8  | 121.7  |                |  |
| Apparel and other finished textile products                   | 1,093  | 1,084  | 979    | 976    | 976    | 1,003  | 1,058  | 1,065  | 1,032  | 1,040  | 1,028  | 1,083  | 1,062  | 1,022  | 1,040          |  |
| Men's and boys' suits and coats                               | 138.2  | 126.8  | 134.6  | 129.0  | 131.7  | 135.5  | 135.2  | 130.3  | 127.3  | 117.6  | 128.6  | 133.4  | 128.1  | 128.1  |                |  |
| Men's and boys' furnishings and work clothing                 | 251.2  | 230.8  | 237.8  | 238.6  | 241.3  | 244.9  | 243.6  | 240.9  | 248.8  | 251.3  | 252.4  | 246.2  | 239.8  | 250.7  |                |  |
| Women's outerwear   | 306.1  | 266.7  | 247.9  | 253.5  | 271.6  | 305.4  | 315.2  | 302.4  | 296.1  | 279.5  | 308.3  | 318.5  | 294.3  | 308.7  |                |  |
| Women's, children's undergarments                             | 92.7   | 85.4   | 88.6   | 91.1   | 95.4   | 97.0   | 96.5   | 92.5   | 94.5   | 98.2   | 97.5   | 94.1   | 89.4   | 88.7   |                |  |
| Millinery   | 21.0   | 17.6   | 15.3   | 16.4   | 18.0   | 23.8   | 23.4   | 21.4   | 19.4   | 15.6   | 20.9   | 21.2   | 19.8   | 20.2   |                |  |
| Children's outerwear  | 62.0   | 60.7   | 59.2   | 57.0   | 58.0   | 62.6   | 62.7   | 59.7   | 58.7   | 60.1   | 62.8   | 62.3   | 68.0   | 84.7   |                |  |
| Fur goods and miscellaneous apparel                           | 84.3   | 75.4   | 77.2   | 74.4   | 71.8   | 72.6   | 72.1   | 69.1   | 78.7   | 84.2   | 86.4   | 82.8   | 76.5   | 78.5   |                |  |
| Other fabricated textile products                             | 128.3  | 116.0  | 115.8  | 115.8  | 115.4  | 116.6  | 116.2  | 115.9  | 118.8  | 121.6  | 122.0  | 122.0  | 118.8  | 107.5  |                |  |
| Lumber and wood products (except furniture)                   | 775    | 772    | 745    | 741    | 723    | 692    | 677    | 652    | 643    | 682    | 692    | 684    | 676    | 732    |                |  |
| Logging camps and contractors                                 | 73.6   | 71.6   | 69.4   | 62.0   | 54.7   | 54.8   | 45.0   | 40.9   | 57.2   | 56.6   | 59.8   | 55.5   | 57.6   | 69.5   |                |  |
| Sawmills and planing mills                                    | 450.1  | 439.7  | 436.8  | 429.8  | 409.9  | 390.3  | 385.7  | 381.1  | 403.5  | 412.6  | 413.8  | 416.0  | 401.3  | 442.0  |                |  |
| Millwork, plywood, and prefabricated structural wood products | 113.4  | 108.8  | 108.5  | 106.2  | 104.4  | 101.7  | 101.2  | 101.6  | 101.9  | 100.7  | 98.1   | 95.4   | 96.7   | 105.0  |                |  |
| Wooden containers   | 73.7   | 71.7   | 72.4   | 69.9   | 69.1   | 67.9   | 67.6   | 67.2   | 68.1   | 67.4   | 66.8   | 66.4   | 67.9   | 76.0   |                |  |
| Miscellaneous wood products                                   | 55.5   | 52.9   | 53.5   | 54.0   | 54.0   | 53.5   | 52.4   | 51.2   | 51.5   | 51.4   | 50.9   | 51.0   | 53.1   | 59.2   |                |  |
| Furniture and fixtures  | 325    | 318    | 302    | 303    | 303    | 301    | 297    | 289    | 286    | 283    | 284    | 277    | 272    | 306    |                |  |
| Household furniture   | 233.9  | 222.0  | 222.3  | 221.4  | 222.0  | 223.9  | 218.2  | 211.7  | 211.0  | 206.5  | 205.6  | 198.8  | 194.8  | 221.6  |                |  |
| Other furniture and fixtures                                  | 84.3   | 80.3   | 80.4   | 81.2   | 80.7   | 79.9   | 78.7   | 77.6   | 78.1   | 76.6   | 78.3   | 77.7   | 77.6   | 84.1   |                |  |

See footnotes at end of table.

TABLE A-3: Production Workers in Mining and Manufacturing Industries<sup>1</sup>—Continued

(In thousands)

| Industry group and industry   | 1940  |       |       |       |       |       |       |       |       |       |       | 1949  |       |       |       |       | Annual average |       |  |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|-------|--|
|   | Sept. | Aug.  | July  | June  | May   | Apr.  | Mar.  | Feb.  | Jan.  | Dec.  | Nov.  | Oct.  | Sept. | 1949  | 1948  |       |                |       |  |
|   | 419   | 411   | 397   | 399   | 392   | 391   | 389   | 386   | 385   | 390   | 393   | 392   | 384   | 382   | 405   | 405   | 405            |       |  |
| <b>Manufacturing—Continued</b>  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                |       |  |
| Paper and allied products   | 419   | 411   | 397   | 399   | 392   | 391   | 389   | 386   | 385   | 390   | 393   | 392   | 384   | 382   | 405   | 405   | 405            |       |  |
| Pulp, paper, and paperboard mills   | 207.5 | 204.0 | 204.8 | 201.7 | 200.7 | 200.2 | 196.5 | 196.2 | 200.2 | 200.6 | 199.6 | 197.0 | 197.0 | 197.0 | 210.8 | 210.8 | 210.8          |       |  |
| Paperboard containers and boxes   | 113.1 | 104.7 | 105.7 | 103.1 | 103.4 | 102.6 | 101.4 | 101.4 | 103.3 | 107.7 | 106.4 | 101.9 | 99.6  | 99.6  | 104.6 | 104.6 | 104.6          |       |  |
| Other paper and allied products   | 60.8  | 88.1  | 88.9  | 86.9  | 86.6  | 86.2  | 85.4  | 84.2  | 84.4  | 84.8  | 85.8  | 84.8  | 84.8  | 84.8  | 95.2  | 95.2  | 95.4           |       |  |
| <b>Printing, publishing, and allied industries</b>  | 508   | 504   | 500   | 500   | 498   | 497   | 496   | 495   | 493   | 501   | 500   | 500   | 495   | 495   | 501   | 501   | 501            |       |  |
| Newspapers  | 149.3 | 149.7 | 150.1 | 149.3 | 147.7 | 146.4 | 145.3 | 142.0 | 145.2 | 145.0 | 144.4 | 143.8 | 141.2 | 141.2 | 133.5 | 133.5 | 133.5          |       |  |
| Periodicals   | 34.8  | 34.4  | 33.7  | 34.5  | 35.0  | 35.2  | 35.1  | 34.5  | 34.8  | 33.0  | 33.7  | 33.7  | 33.7  | 33.7  | 37.3  | 37.3  | 37.3           |       |  |
| Books   | 36.4  | 34.6  | 35.3  | 35.1  | 34.9  | 35.2  | 34.9  | 35.0  | 35.8  | 36.5  | 36.5  | 36.5  | 36.5  | 36.5  | 39.6  | 39.6  | 39.6           |       |  |
| Commercial printing   | 164.8 | 164.4 | 165.7 | 164.1 | 164.9 | 165.3 | 164.6 | 167.2 | 167.8 | 165.1 | 166.1 | 162.4 | 164.4 | 164.4 | 165.5 | 165.5 | 165.5          |       |  |
| Lithographing   | 32.1  | 31.3  | 31.2  | 31.1  | 30.9  | 31.0  | 30.8  | 30.7  | 32.7  | 32.8  | 32.5  | 31.8  | 31.8  | 31.8  | 31.9  | 31.9  | 31.9           |       |  |
| Other printing and publishing   | 86.6  | 85.3  | 84.1  | 83.6  | 83.2  | 83.3  | 84.1  | 83.9  | 85.1  | 85.3  | 85.0  | 84.5  | 85.3  | 85.3  | 91.0  | 91.0  | 91.0           |       |  |
| <b>Chemicals and allied products</b>  | 506   | 491   | 479   | 482   | 485   | 490   | 487   | 485   | 480   | 484   | 485   | 488   | 478   | 485   | 520   | 520   | 520            |       |  |
| Industrial inorganic chemicals  | 49.0  | 50.9  | 54.1  | 53.4  | 52.8  | 52.3  | 52.2  | 50.2  | 51.3  | 51.2  | 51.2  | 51.2  | 49.9  | 52.3  | 54.7  | 54.7  | 54.7           |       |  |
| Industrial organic chemicals  | 153.4 | 151.0 | 150.0 | 147.8 | 146.0 | 144.9 | 144.0 | 143.0 | 143.7 | 142.9 | 141.4 | 141.4 | 140.8 | 145.8 | 164.4 | 164.4 | 164.4          |       |  |
| Drugs and medicines   | 63.6  | 62.5  | 61.8  | 61.0  | 60.6  | 58.1  | 58.7  | 61.7  | 61.9  | 61.5  | 61.6  | 60.7  | 60.8  | 59.9  | 59.9  | 59.9  | 59.9           |       |  |
| Paints, pigments, and fillers   | 48.6  | 47.5  | 46.9  | 45.5  | 45.1  | 44.9  | 44.7  | 43.7  | 43.6  | 43.8  | 43.9  | 42.3  | 43.3  | 46.9  | 46.9  | 46.9  | 46.9           |       |  |
| Fertilizers   | 23.4  | 22.2  | 23.9  | 22.9  | 23.6  | 23.9  | 23.5  | 26.5  | 24.9  | 24.6  | 26.1  | 26.1  | 26.1  | 28.6  | 30.2  | 30.2  | 30.2           |       |  |
| Vegetable and animal oils and fats  | 38.3  | 36.2  | 37.6  | 39.6  | 42.7  | 44.9  | 45.8  | 49.0  | 51.9  | 53.1  | 54.6  | 49.1  | 49.1  | 46.6  | 46.6  | 46.6  | 46.6           |       |  |
| Other chemicals and allied products   | 114.3 | 108.3 | 108.1 | 107.6 | 106.9 | 106.8 | 107.6 | 104.9 | 106.2 | 108.2 | 109.1 | 108.1 | 108.4 | 117.6 | 117.6 | 117.6 | 117.6          |       |  |
| <b>Products of petroleum and coal</b>   | 188   | 192   | 181   | 177   | 176   | 182   | 183   | 184   | 185   | 188   | 185   | 185   | 189   | 188   | 192   | 192   | 192            |       |  |
| Petroleum refining  | 147.2 | 138.3 | 137.8 | 136.1 | 135.6 | 142.8 | 144.0 | 145.4 | 145.7 | 147.6 | 148.4 | 149.2 | 148.8 | 148.9 | 148.9 | 148.9 | 148.9          | 148.9 |  |
| Coke and byproducts   | 18.7  | 18.6  | 18.5  | 18.1  | 17.9  | 17.0  | 16.8  | 17.4  | 17.6  | 15.9  | 10.9  | 16.7  | 16.9  | 16.9  | 17.5  | 17.5  | 17.5           |       |  |
| Other petroleum and coal products   | 26.4  | 24.8  | 24.5  | 23.2  | 22.3  | 21.8  | 21.8  | 22.1  | 22.1  | 23.1  | 23.5  | 23.5  | 22.5  | 22.5  | 22.5  | 22.5  | 22.5           | 22.5  |  |
| <b>Rubber products</b>  | 212   | 209   | 200   | 199   | 194   | 191   | 189   | 188   | 187   | 187   | 186   | 187   | 167   | 188   | 200   | 200   | 200            | 200   |  |
| Tires and inner tubes   | 89.6  | 87.7  | 88.0  | 85.9  | 84.0  | 83.4  | 83.1  | 82.6  | 82.1  | 81.3  | 81.1  | 81.1  | 64.3  | 82.6  | 96.2  | 96.2  | 96.2           | 96.2  |  |
| Rubber footwear   | 20.7  | 19.2  | 19.3  | 19.1  | 19.3  | 19.6  | 18.8  | 20.1  | 22.2  | 22.2  | 21.8  | 21.8  | 21.1  | 21.6  | 24.6  | 24.6  | 24.6           | 24.6  |  |
| Other rubber products   | 98.2  | 92.7  | 92.0  | 88.8  | 87.2  | 86.2  | 86.3  | 84.5  | 83.1  | 82.8  | 84.4  | 84.4  | 81.4  | 80.9  | 88.1  | 88.1  | 88.1           | 88.1  |  |
| <b>Leather and leather products</b>   | 370   | 370   | 351   | 343   | 335   | 341   | 357   | 357   | 348   | 343   | 332   | 349   | 354   | 347   | 368   | 368   | 368            | 368   |  |
| Leather   | 46.6  | 44.9  | 45.0  | 44.9  | 45.0  | 45.5  | 45.5  | 45.0  | 44.9  | 45.2  | 44.9  | 44.6  | 44.6  | 45.1  | 40.5  | 40.5  | 40.5           | 40.5  |  |
| Footwear (except rubber)  | 237.1 | 229.8 | 224.3 | 217.5 | 221.5 | 224.5 | 234.5 | 231.4 | 223.7 | 208.0 | 224.3 | 230.2 | 226.2 | 234.8 | 234.8 | 234.8 | 234.8          | 234.8 |  |
| Other leather products  | 85.9  | 76.7  | 73.7  | 72.8  | 74.6  | 77.3  | 76.7  | 71.9  | 74.2  | 78.5  | 79.4  | 78.8  | 75.8  | 75.8  | 83.5  | 83.5  | 83.5           | 83.5  |  |
| <b>Stone, clay, and glass products</b>  | 455   | 459   | 440   | 441   | 432   | 419   | 410   | 408   | 403   | 412   | 411   | 411   | 414   | 416   | 448   | 448   | 448            | 448   |  |
| Glass and glass products  | 121.8 | 114.4 | 118.3 | 115.9 | 112.8 | 108.9 | 108.2 | 106.2 | 107.2 | 107.7 | 107.5 | 106.9 | 106.8 | 119.6 | 119.6 | 119.6 | 119.6          | 119.6 |  |
| Cement, hydraulic   | 37.4  | 35.9  | 36.5  | 36.0  | 35.4  | 34.5  | 35.0  | 35.8  | 36.4  | 34.8  | 34.8  | 36.5  | 36.5  | 36.5  | 35.5  | 35.5  | 35.5           | 35.5  |  |
| Structural clay products  | 78.4  | 76.8  | 75.5  | 72.8  | 66.6  | 68.5  | 68.3  | 68.6  | 70.5  | 69.7  | 71.0  | 72.1  | 72.5  | 76.8  | 76.8  | 76.8  | 76.8           | 76.8  |  |
| Pottery and related products  | 51.5  | 49.4  | 50.6  | 52.2  | 52.3  | 52.7  | 52.2  | 50.7  | 51.6  | 52.2  | 51.7  | 51.7  | 50.4  | 52.2  | 55.5  | 55.5  | 55.5           | 55.5  |  |
| Concrete, gypsum, and plaster products  | 84.8  | 81.7  | 80.2  | 76.4  | 73.5  | 71.3  | 71.3  | 69.5  | 73.1  | 73.9  | 74.9  | 74.6  | 74.9  | 72.4  | 76.4  | 76.4  | 76.4           | 76.4  |  |
| Other stone, clay, and glass products   | 94.9  | 81.4  | 80.0  | 78.3  | 75.9  | 73.9  | 73.2  | 72.6  | 73.7  | 72.5  | 71.1  | 72.8  | 75.6  | 84.6  | 84.6  | 84.6  | 84.6           | 84.6  |  |
| <b>Primary metal industries</b>   | 1,103 | 1,084 | 1,053 | 1,050 | 1,026 | 1,007 | 982   | 978   | 963   | 955   | 743   | 859   | 938   | 940   | 1,083 |       |                |       |  |
| Blast furnaces, steel works, and rolling mills  | 549.1 | 542.0 | 538.1 | 529.3 | 522.5 | 506.9 | 512.3 | 510.5 | 506.6 | 524.8 | 130.3 | 498.7 | 476.7 | 536.8 |       |       |                |       |  |
| Iron and steel foundries  | 213.0 | 202.0 | 200.2 | 193.5 | 188.1 | 182.1 | 177.1 | 172.0 | 172.2 | 171.9 | 173.4 | 188.9 | 173.4 | 188.9 | 230.9 |       |                |       |  |
| Primary smelting and refining of non-ferrous metals   | 45.8  | 45.1  | 46.0  | 45.5  | 45.2  | 45.4  | 45.3  | 42.5  | 41.2  | 38.3  | 39.4  | 41.8  | 43.3  | 40.8  |       |       |                |       |  |
| Rolling, drawing, and alloying of non-ferrous metals  | 83.4  | 79.4  | 80.1  | 78.9  | 77.1  | 76.5  | 75.0  | 73.7  | 72.8  | 72.8  | 72.6  | 70.0  | 67.2  | 70.6  | 66.0  |       |                |       |  |
| Nonferrous foundries  | 81.5  | 78.2  | 77.4  | 73.5  | 70.7  | 69.8  | 67.8  | 66.0  | 65.9  | 62.4  | 64.1  | 62.0  | 63.3  | 63.3  | 73.2  |       |                |       |  |
| Other primary metal industries  | 111.5 | 106.7 | 108.0 | 105.1 | 103.3 | 101.2 | 100.0 | 97.9  | 95.8  | 85.0  | 93.5  | 95.1  | 97.1  | 100.1 |       |       |                |       |  |
| <b>Fabricated metal products (except ordnance, machinery, and transportation equipment)</b> | 831   | 813   | 772   | 769   | 742   | 722   | 709   | 698   | 693   | 688   | 666   | 677   | 708   | 701   | 812   |       |                |       |  |
| Tin cans and other tinware  | 50.3  | 45.7  | 43.1  | 40.3  | 39.0  | 38.0  | 36.3  | 35.9  | 36.6  | 38.2  | 40.6  | 43.2  | 39.9  | 42.2  |       |       |                |       |  |
| Cutlery, hand tools, and hardware   | 131.7 | 128.6 | 132.6 | 130.7 | 129.2 | 127.6 | 123.7 | 121.2 | 119.3 | 115.6 | 116.3 | 113.7 | 118.4 | 131.6 |       |       |                |       |  |
| Heating apparatus (except electric) and plumbing supplies                                   | 132.2 | 129.2 | 121.9 | 118.6 | 117.7 | 114.0 | 112.3 | 107.4 | 111.1 | 113.0 | 116.2 | 109.6 | 109.6 | 109.6 | 137.1 |       |                |       |  |
| Fabricated structural metal products  | 165.4 | 158.2 | 154.3 | 148.5 | 145.8 | 142.7 | 140.6 | 141.5 | 142.2 | 142.2 | 133.6 | 129.0 | 155.8 | 152.3 | 168.7 |       |                |       |  |
| Metal stamping, coating, and engraving  | 155.6 | 149.2 | 148.1 | 140.5 | 134.4 | 131.2 | 130.4 | 129.6 | 124.8 | 119.8 | 127.2 | 129.8 | 125.8 | 148.6 |       |       |                |       |  |
| Other fabricated metal products   | 178.2 | 170.0 | 169.2 | 163.6 | 155.6 | 155.8 | 155.1 | 157.0 | 153.7 | 148.5 | 148.0 | 156.1 | 159.0 | 153.8 | 183.8 |       |                |       |  |
| <b>Machinery (except electrical)</b>  | 1,057 | 1,031 | 1,033 | 1,022 | 1,003 | 981   | 960   | 937   | 929   | 908   | 922   | 935   | 1,001 | 1,001 | 1,203 |       |                |       |  |
| Engines and turbines  | 56.7  | 54.6  | 55.5  | 53.4  | 51.1  | 48.9  | 48.8  | 48.8  | 48.8  | 48.8  | 46.7  | 49.3  | 53.3  | 63.9  |       |       |                |       |  |
| Agricultural machinery and tractors   | 149.7 | 140.9 | 141.2 | 141.5 | 142.4 | 139.5 | 137.4 | 133.2 | 130.6 | 125.8 | 127.8 | 130.9 | 142.4 | 151.7 |       |       |                |       |  |
| Construction and mining machinery   | 73.7  | 71.6  | 70.4  | 68.4  | 68.3  | 68.1  | 66.5  | 64.4  | 63.7  | 62.3  | 63.7  | 62.3  | 72.4  | 91.1  |       |       |                |       |  |
| Metalworking machinery  | 169.8 | 161.1 | 162.6 | 158.3 | 155.4 | 152.0 | 149.2 | 146.5 | 146.4 | 145.8 | 148.0 | 149.1 | 157.9 | 166.6 |       |       |                |       |  |
| Special-industry machinery (except metalworking machinery)                                  | 127.3 | 124.1 | 124.6 | 122.7 | 120.9 | 119.0 | 117.7 | 116.8 | 117.3 | 117.4 | 119.3 | 121.8 | 131.1 | 138.3 |       |       |                |       |  |
| General industrial machinery  | 135.8 | 130.1 | 130.1 | 128.8 | 125.9 | 123.3 | 121.6 | 120.4 | 121.2 | 121.2 | 123.3 | 124.8 | 132.3 | 154.0 |       |       |                |       |  |
| Office and store machines and devices   | 75.5  | 74.5  | 74.2  | 73.5  | 73.2  | 72.0  | 70.5  | 69.9  | 71.1  | 72.2  | 73.5  | 73.5  | 75.4  | 93.6  |       |       |                |       |  |
| Service-industry and household machines   | 144.8 | 145.6 | 147.9 | 148.7 | 143.3 | 137.8 | 132.6 | 124.0 | 118.7 | 117.3 | 109.1 | 107.9 | 101.9 | 115.4 | 156.3 |       |                |       |  |
| Miscellaneous machinery parts   | 133.1 | 128.1 | 126.5 | 124.1 | 120.4 | 118.2 | 115.7 | 112.5 | 111.5 | 106.8 | 112.2 | 112.1 | 120.4 | 147.5 |       |       |                |       |  |

See footnote at end of table.

TABLE A-3: Production Workers in Mining and Manufacturing Industries<sup>1</sup>—Continued

(In thousands)

| Industry group and industry   | 1950  |       |       |       |       |       |       |       |       |       | 1949  |       |       |       | Annual average |  |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|--|
|   | Sept. | Aug.  | July  | June  | May   | Apr.  | Mar.  | Feb.  | Jan.  | Dec.  | Nov.  | Oct.  | Sept. | 1949  | 1948           |  |
| <b>Manufacturing—Continued</b>  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                |  |
| Electrical machinery  | 653   | 658   | 623   | 615   | 606   | 595   | 580   | 573   | 561   | 559   | 546   | 548   | 531   | 552   | 556            |  |
| Electrical generating, transmission, distribution, and industrial apparatus | 237.7 | 226.9 | 221.9 | 221.5 | 217.1 | 213.0 | 211.4 | 207.8 | 207.6 | 202.4 | 202.8 | 200.8 | 210.7 | 251.4 |                |  |
| Electrical equipment for vehicles   | 57.0  | 56.2  | 55.1  | 53.7  | 52.5  | 50.9  | 50.7  | 50.4  | 49.8  | 43.8  | 50.5  | 49.6  | 49.0  | 54.6  |                |  |
| Communication equipment   | 249.7 | 229.3 | 227.1 | 219.9 | 217.2 | 211.6 | 207.3 | 202.5 | 200.6 | 200.4 | 193.4 | 182.4 | 191.8 | 224.4 |                |  |
| Electrical appliances, lamps, and miscellaneous products                    | 113.4 | 110.2 | 110.7 | 110.6 | 108.1 | 104.8 | 103.3 | 100.6 | 100.8 | 99.3  | 101.0 | 97.9  | 100.8 | 123.8 |                |  |
| Transportation equipment  | 1,122 | 1,075 | 1,078 | 1,045 | 899   | 879   | 872   | 978   | 896   | 986   | 986   | 986   | 1,017 | 987   | 1,031          |  |
| Automobiles   | 784.3 | 761.8 | 764.7 | 736.3 | 595.3 | 575.6 | 567.1 | 675.4 | 585.1 | 582.1 | 666.1 | 686.3 | 643.5 | 657.6 |                |  |
| Aircraft and parts  | 200.7 | 188.4 | 186.6 | 184.2 | 184.9 | 184.0 | 184.0 | 184.3 | 184.0 | 183.7 | 187.9 | 190.7 | 188.5 | 166.6 |                |  |
| Aircraft  | 136.3 | 126.2 | 125.1 | 124.4 | 123.4 | 122.2 | 122.4 | 122.9 | 122.7 | 122.3 | 125.4 | 127.6 | 126.6 | 111.5 |                |  |
| Aircraft engines and parts  | 38.9  | 37.8  | 37.0  | 36.0  | 36.1  | 36.0  | 35.7  | 35.8  | 36.0  | 36.7  | 37.6  | 37.9  | 37.4  | 33.6  |                |  |
| Aircraft propellers and parts   | 4.9   | 5.1   | 5.2   | 5.3   | 5.3   | 5.4   | 5.4   | 5.4   | 5.4   | 5.4   | 5.5   | 5.5   | 5.3   | 4.9   |                |  |
| Other aircraft parts and equipment  | 20.6  | 19.3  | 19.3  | 19.5  | 20.1  | 20.4  | 20.5  | 20.2  | 19.9  | 19.9  | 19.3  | 19.4  | 19.7  | 19.2  | 16.6           |  |
| Ship and boat building and repairing  | 78.4  | 67.5  | 68.3  | 67.2  | 66.6  | 66.9  | 67.6  | 66.1  | 69.0  | 71.3  | 68.5  | 74.0  | 85.0  | 123.2 |                |  |
| Ship building and repairing   | 69.9  | 55.7  | 55.6  | 55.2  | 55.4  | 56.9  | 58.5  | 57.5  | 60.5  | 62.8  | 60.2  | 65.4  | 75.0  | 109.3 |                |  |
| Railroad equipment  | 48.2  | 47.8  | 48.4  | 47.5  | 43.5  | 44.2  | 45.4  | 46.1  | 49.9  | 50.6  | 53.2  | 56.2  | 61.0  | 69.6  |                |  |
| Other transportation equipment  | 10.8  | 9.7   | 9.4   | 9.1   | 8.6   | 8.0   | 7.5   | 6.1   | 8.1   | 10.1  | 10.5  | 9.9   | 9.2   | 14.5  |                |  |
| Instruments and related products  | 204   | 191   | 180   | 180   | 176   | 174   | 172   | 171   | 172   | 173   | 174   | 174   | 172   | 177   | 200            |  |
| Ophthalmic goods  | 20.2  | 19.9  | 20.0  | 20.1  | 20.2  | 20.2  | 20.3  | 20.2  | 20.3  | 20.8  | 20.8  | 21.0  | 21.9  | 23.8  |                |  |
| Photographic apparatus  | 38.4  | 37.0  | 36.5  | 35.4  | 34.8  | 34.6  | 34.5  | 34.7  | 35.3  | 35.3  | 35.8  | 35.3  | 38.4  | 45.4  |                |  |
| Watches and clocks  | 25.3  | 23.5  | 23.7  | 23.6  | 24.1  | 24.4  | 24.7  | 25.6  | 26.8  | 27.2  | 27.6  | 27.1  | 26.6  | 35.0  |                |  |
| Professional and scientific instruments                                     | 107.2 | 99.3  | 100.2 | 97.0  | 94.8  | 93.2  | 91.8  | 91.4  | 91.0  | 90.3  | 89.4  | 88.3  | 90.1  | 95.4  |                |  |
| Miscellaneous manufacturing industries                                      | 416   | 398   | 357   | 367   | 362   | 363   | 361   | 356   | 345   | 361   | 381   | 383   | 366   | 354   | 394            |  |
| Jewelry, silverware, and plated ware  | 45.3  | 41.4  | 42.5  | 42.1  | 42.0  | 42.3  | 43.7  | 43.8  | 45.4  | 46.8  | 46.8  | 44.6  | 45.0  | 49.6  |                |  |
| Toys and sporting goods   | 70.9  | 63.1  | 63.6  | 61.5  | 60.6  | 58.0  | 54.5  | 52.3  | 57.4  | 67.3  | 67.8  | 63.4  | 59.8  | 71.5  |                |  |
| Costume jewelry, buttons, notions   | 50.9  | 43.8  | 44.1  | 43.0  | 44.7  | 48.0  | 50.0  | 46.9  | 48.2  | 53.1  | 53.8  | 52.2  | 48.3  | 53.9  |                |  |
| Other miscellaneous manufacturing industries                                | 231.0 | 208.7 | 217.1 | 215.2 | 215.4 | 212.9 | 207.5 | 202.2 | 209.5 | 213.8 | 214.5 | 205.5 | 200.5 | 219.4 |                |  |

<sup>1</sup> Data are based upon reports from cooperating establishments covering both full- and part-time production and related workers who worked during, or received pay for, the pay period ending nearest the 15th of the month. Data have been adjusted to levels indicated by social insurance data through 1947. Comparable data from January 1947 are available upon request to the Bureau of Labor Statistics. Such requests should specify the form for which data are desired. Revised data in all except the first four columns will be identified by an asterisk (\*) for the first month's publication of such data.

<sup>†</sup> Employment data for some of the mining industries have been revised; metal, iron, copper, and bituminous-coal employment data from January 1947 forward; and lead and zinc production-worker data for 1943-46, inclusive. The mining division total employment and the hours and earnings data were not affected by these revisions. Summary sheets showing employment, hours, and earnings data, from January 1939 forward, are available upon request.

TABLE A-4: Indexes of Production-Worker Employment and Weekly Payrolls in Manufacturing Industries<sup>1</sup>

(1939 average=100)

| Period        | Employment | Weekly payroll | Period          | Employment | Weekly payroll | Period         | Employment | Weekly payroll |
|---------------|------------|----------------|-----------------|------------|----------------|----------------|------------|----------------|
| 1939: Average | 100.0      | 100.0          | 1947: Average   | 156.2      | 326.9          | 1950: February | 139.9      | 330.0          |
| 1940: Average | 107.5      | 113.6          | 1948: Average   | 155.2      | 351.4          | March          | 141.0      | 333.5          |
| 1941: Average | 132.8      | 164.9          | 1949: Average   | 141.6      | 325.3          | April          | 141.6      | 337.2          |
| 1942: Average | 156.9      | 241.5          | 1949: September | 143.7      | 335.1          | May            | 144.5      | 348.0          |
| 1943: Average | 183.3      | 321.1          | October         | 138.8      | 320.9          | June           | 147.3      | 362.7          |
| 1944: Average | 178.3      | 343.7          | November        | 137.8      | 313.9          | July           | 148.3      | 367.4          |
| 1945: Average | 157.0      | 293.5          | December        | 140.4      | 329.8          | August         | 156.1      | 394.0          |
| 1946: Average | 147.8      | 271.1          | 1950: January   | 139.8      | 329.2          | September      | 158.0      |                |

<sup>1</sup> See footnote 1, table A-3.

TABLE A-5: Federal Civilian Employment by Branch and Agency Group

| Year and month  | All branches | Executive <sup>1</sup> |                               |                        |                    | Legislative | Judicial |
|---|--------------|------------------------|-------------------------------|------------------------|--------------------|-------------|----------|
|   |              | Total                  | Defense agencies <sup>1</sup> | Post Office Department | All other agencies |             |          |
| Total (including areas outside continental United States) |              |                        |                               |                        |                    |             |          |
| 1948  | 2,066,152    | 2,055,397              | 916,358                       | 470,975                | 668,064            | 7,273       | 3,482    |
| 1949  | 2,100,407    | 2,089,151              | 899,186                       | 511,083                | 678,882            | 7,661       | 3,595    |
| 1949: September   | 2,081,703    | 2,070,269              | 886,800                       | 494,087                | 689,292            | 7,924       | 3,600    |
| October   | 2,047,312    | 2,035,748              | 860,286                       | 496,038                | 679,424            | 7,937       | 3,627    |
| November  | 1,999,681    | 1,988,079              | 814,848                       | 497,814                | 675,417            | 7,992       | 3,610    |
| December  | 2,288,367    | 2,276,635              | 799,888                       | 804,038                | 672,709            | 7,954       | 3,778    |
| 1950: January   | 1,976,093    | 1,964,246              | 791,048                       | 503,106                | 670,092            | 8,063       | 3,784    |
| February  | 1,970,815    | 1,959,063              | 782,788                       | 503,815                | 672,460            | 7,986       | 3,766    |
| March   | 1,970,603    | 1,958,803              | 776,324                       | 504,420                | 678,062            | 8,048       | 3,749    |
| April   | 2,110,903    | 2,099,036              | 773,711                       | 503,916                | 821,409            | 8,102       | 3,765    |
| May   | 2,061,939    | 2,050,136              | 775,769                       | 501,011                | 772,452            | 8,048       | 3,759    |
| June  | 2,022,117    | 2,010,286              | 780,614                       | 497,394                | 732,278            | 8,063       | 3,768    |
| July  | 1,986,705    | 1,974,902              | 778,745                       | 491,823                | 704,334            | 8,031       | 3,772    |
| August  | 2,005,398    | 1,993,427              | 806,029                       | 487,101                | 700,297            | 8,146       | 3,825    |
| September   | 2,083,218    | 2,071,351              | 887,267                       | 485,066                | 699,078            | 8,032       | 3,835    |
| Continental United States                                 |              |                        |                               |                        |                    |             |          |
| 1948  | 1,846,840    | 1,836,158              | 734,484                       | 469,279                | 632,395            | 7,273       | 3,409    |
| 1949  | 1,921,963    | 1,910,724              | 761,362                       | 509,184                | 640,178            | 7,661       | 3,518    |
| 1949: September   | 1,912,227    | 1,900,780              | 760,050                       | 492,227                | 648,494            | 7,924       | 3,523    |
| October   | 1,882,859    | 1,871,372              | 738,195                       | 494,178                | 638,996            | 7,937       | 3,550    |
| November  | 1,843,246    | 1,831,721              | 700,374                       | 495,663                | 635,384            | 7,992       | 3,533    |
| December  | 2,134,562    | 2,122,637              | 688,599                       | 501,008                | 633,330            | 7,954       | 3,701    |
| 1950: January   | 1,825,245    | 1,813,475              | 683,018                       | 501,257                | 629,200            | 8,063       | 3,707    |
| February  | 1,820,625    | 1,808,950              | 675,316                       | 501,969                | 631,665            | 7,986       | 3,689    |
| March   | 1,821,470    | 1,809,750              | 670,546                       | 502,571                | 636,633            | 8,048       | 3,672    |
| April   | 1,959,746    | 1,947,956              | 668,180                       | 502,026                | 777,751            | 8,102       | 3,688    |
| May   | 1,910,210    | 1,898,480              | 670,049                       | 500,017                | 728,414            | 8,048       | 3,682    |
| June  | 1,871,293    | 1,850,539              | 674,597                       | 495,505                | 689,437            | 8,063       | 3,691    |
| July  | 1,839,477    | 1,827,751              | 677,181                       | 489,622                | 660,648            | 8,031       | 3,695    |
| August  | 1,861,043    | 1,849,149              | 707,114                       | 485,248                | 656,787            | 8,146       | 3,748    |
| September   | 1,935,928    | 1,924,138              | 785,282                       | 483,154                | 655,702            | 8,032       | 3,758    |

<sup>1</sup> Includes Government corporations (including Federal Reserve Banks and mixed-ownership banks of the Farm Credit Administration) and other activities performed by Government personnel in establishments such as navy yards, arsenals, hospitals, and force-account construction. Data, which are based mainly on reports to the Civil Service Commission, are adjusted to maintain continuity of coverage and definition with information for former periods.

<sup>2</sup> Covers civilian employees of the Department of Defense (Secretary of Defense, Army, Air Force, and Navy), National Advisory Committee for Aeronautics, the Panama Canal, Philippine Alien Property Administration, Philippine War Damage Commission, Selective Service System, National Security Resources Board, National Security Council, War Claims Commission.

TABLE A-6: Federal Civilian Payrolls by Branch and Agency Group

(In thousands)

| Year and month  | All branches | Executive <sup>1</sup> |                               |                        |                    | Legislative | Judicial |
|---|--------------|------------------------|-------------------------------|------------------------|--------------------|-------------|----------|
|   |              | Total                  | Defense agencies <sup>2</sup> | Post Office Department | All other agencies |             |          |
| Total (including areas outside continental United States) |              |                        |                               |                        |                    |             |          |
| 1948.....   | \$6,223,486  | \$6,176,414            | \$2,660,770                   | \$1,399,072            | \$2,116,572        | \$30,891    | \$16,181 |
| 1949.....   | 6,659,270    | 6,647,671              | 2,782,266                     | 1,558,741              | 2,306,664          | 34,437      | 17,162   |
| 1949: September.....                                      | 557,436      | 553,011                | 230,016                       | 125,064                | 197,931            | 2,968       | 1,457    |
| October.....  | 539,248      | 534,962                | 222,221                       | 125,164                | 187,607            | 2,936       | 1,320    |
| November.....   | 567,296      | 562,539                | 230,206                       | 131,577                | 200,756            | 3,137       | 1,620    |
| December.....   | 610,344      | 605,504                | 218,404                       | 186,462                | 200,698            | 3,160       | 1,630    |
| 1950: January.....  | 553,000      | 548,372                | 214,670                       | 132,177                | 201,525            | 3,148       | 1,570    |
| February.....   | 521,041      | 516,825                | 198,064                       | 131,085                | 187,376            | 3,083       | 1,433    |
| March.....  | 583,186      | 578,339                | 225,091                       | 133,451                | 219,787            | 3,222       | 1,628    |
| April.....  | 539,430      | 534,757                | 192,199                       | 131,117                | 211,441            | 3,232       | 1,441    |
| May.....  | 577,915      | 573,026                | 220,044                       | 130,361                | 222,621            | 3,246       | 1,643    |
| June.....   | 573,659      | 568,889                | 221,123                       | 131,202                | 216,564            | 3,214       | 1,556    |
| July.....   | 551,510      | 546,806                | 212,778                       | 129,803                | 204,225            | 3,206       | 1,498    |
| August.....   | 618,049      | 613,138                | 259,451                       | 130,361                | 223,326            | 3,277       | 1,634    |
| September.....  | 585,147      | 580,231                | 248,667                       | 129,975                | 201,589            | 3,200       | 1,716    |
| Continental United States                                 |              |                        |                               |                        |                    |             |          |
| 1948.....   | \$5,731,115  | \$5,684,494            | \$2,272,001                   | \$1,394,037            | \$2,018,456        | \$30,891    | \$15,730 |
| 1949.....   | 6,234,345    | 6,183,230              | 2,442,580                     | 1,552,992              | 2,187,658          | 34,437      | 16,678   |
| 1949: September.....                                      | 518,493      | 514,109                | 202,222                       | 134,596                | 187,291            | 2,968       | 1,416    |
| October.....  | 501,648      | 497,431                | 195,446                       | 134,700                | 177,285            | 2,936       | 1,281    |
| November.....   | 523,694      | 518,979                | 196,868                       | 131,088                | 191,023            | 3,137       | 1,578    |
| December.....   | 573,588      | 568,849                | 193,321                       | 185,796                | 189,732            | 3,160       | 1,579    |
| 1950: January.....  | 516,707      | 512,032                | 189,825                       | 131,669                | 190,538            | 3,148       | 1,527    |
| February.....   | 488,138      | 483,662                | 176,371                       | 130,599                | 176,602            | 3,083       | 1,393    |
| March.....  | 546,866      | 542,061                | 201,071                       | 132,969                | 208,021            | 3,222       | 1,583    |
| April.....  | 506,707      | 502,074                | 171,555                       | 130,629                | 199,890            | 3,232       | 1,401    |
| May.....  | 541,195      | 536,351                | 196,249                       | 129,841                | 210,261            | 3,246       | 1,598    |
| June.....   | 536,052      | 531,325                | 196,921                       | 130,704                | 203,700            | 3,214       | 1,513    |
| July.....   | 516,924      | 512,261                | 191,109                       | 129,316                | 191,836            | 3,206       | 1,457    |
| August.....   | 580,732      | 575,867                | 235,435                       | 129,870                | 210,562            | 3,277       | 1,588    |
| September.....  | 550,704      | 545,833                | 226,295                       | 129,484                | 190,054            | 3,200       | 1,671    |

<sup>1</sup> See footnote 1, table A-5.<sup>2</sup> See footnote 2, table A-5.

TABLE A-7: Civilian Government Employment and Payrolls in Washington, D. C.,<sup>1</sup> by Branch and Agency Group

| Year and month          | Total government | District of Columbia government | Federal   |                        |                               |                        |                    |             |          |
|-------------------------|------------------|---------------------------------|-----------|------------------------|-------------------------------|------------------------|--------------------|-------------|----------|
|                         |                  |                                 | Total     | Executive <sup>2</sup> |                               |                        |                    | Legislative | Judicial |
|                         |                  |                                 |           | All agencies           | Defense agencies <sup>3</sup> | Post Office Department | All other agencies |             |          |
| Employment              |                  |                                 |           |                        |                               |                        |                    |             |          |
| 1948.....               | 231,239          | 18,774                          | 212,465   | 204,601                | 68,509                        | 7,826                  | 128,266            | 7,273       | 501      |
| 1949.....               | 241,812          | 19,511                          | 222,301   | 214,026                | 70,461                        | 8,164                  | 135,401            | 7,661       | 614      |
| 1949: September.....    | 242,426          | 19,416                          | 223,010   | 214,470                | 69,448                        | 7,773                  | 137,249            | 7,924       | 616      |
| October.....            | 240,886          | 19,504                          | 221,382   | 212,828                | 68,069                        | 7,749                  | 137,010            | 7,937       | 617      |
| November.....           | 240,095          | 20,420                          | 219,675   | 211,064                | 66,121                        | 7,891                  | 137,082            | 7,992       | 619      |
| December.....           | 244,467          | 20,031                          | 224,436   | 215,840                | 65,860                        | 12,888                 | 137,092            | 7,954       | 642      |
| 1950: January.....      | 228,935          | 20,110                          | 218,825   | 210,106                | 65,699                        | 7,850                  | 136,548            | 8,063       | 656      |
| February.....           | 228,713          | 20,245                          | 218,465   | 208,817                | 65,456                        | 7,643                  | 136,718            | 7,969       | 665      |
| March.....              | 229,933          | 20,168                          | 218,765   | 210,566                | 65,445                        | 7,786                  | 136,822            | 8,048       | 661      |
| April.....              | 230,754          | 20,116                          | 217,743   | 210,260                | 65,390                        | 7,753                  | 137,447            | 8,102       | 661      |
| May.....                | 240,075          | 20,227                          | 219,869   | 211,130                | 65,603                        | 7,896                  | 137,701            | 8,048       | 661      |
| June.....               | 228,710          | 20,058                          | 218,672   | 209,947                | 64,766                        | 7,742                  | 137,439            | 8,063       | 662      |
| July.....               | 230,119          | 19,772                          | 219,347   | 210,650                | 65,179                        | 7,715                  | 137,756            | 8,031       | 666      |
| August.....             | 240,678          | 19,767                          | 220,911   | 212,037                | 66,139                        | 7,669                  | 138,229            | 8,146       | 728      |
| September.....          | 243,481          | 19,743                          | 225,738   | 214,979                | 69,289                        | 7,607                  | 138,083            | 8,032       | 727      |
| Payrolls (in thousands) |                  |                                 |           |                        |                               |                        |                    |             |          |
| 1948.....               | \$517,554        | \$54,248                        | \$763,306 | \$729,791              | \$253,589                     | \$31,208               | \$464,904          | \$30,891    | \$2,624  |
| 1949.....               | 506,842          | 60,602                          | 846,240   | 808,918                | 253,433                       | 33,488                 | 521,997            | 34,437      | 2,885    |
| 1949: September.....    | 77,040           | 5,379                           | 71,661    | 68,457                 | 25,921                        | 2,737                  | 44,799             | 2,968       | 236      |
| October.....            | 73,815           | 5,187                           | 68,628    | 65,458                 | 20,137                        | 2,885                  | 42,936             | 2,936       | 234      |
| November.....           | 79,552           | 5,526                           | 74,026    | 70,621                 | 21,561                        | 2,809                  | 46,251             | 3,137       | 268      |
| December.....           | 80,004           | 5,503                           | 74,501    | 71,068                 | 21,274                        | 3,829                  | 45,985             | 3,160       | 273      |
| 1950: January.....      | 80,747           | 5,331                           | 75,216    | 71,787                 | 22,673                        | 2,866                  | 46,246             | 3,148       | 281      |
| February.....           | 73,142           | 5,218                           | 67,924    | 64,586                 | 19,387                        | 2,787                  | 42,412             | 3,083       | 255      |
| March.....              | 83,331           | 5,699                           | 77,632    | 74,152                 | 22,744                        | 2,926                  | 45,462             | 3,222       | 278      |
| April.....              | 74,469           | 5,229                           | 69,540    | 65,944                 | 21,756                        | 2,795                  | 42,742             | 3,239       | 264      |
| May.....                | 84,018           | 5,705                           | 75,313    | 74,785                 | 22,607                        | 2,872                  | 49,306             | 3,246       | 262      |
| June.....               | 82,733           | 5,590                           | 77,143    | 73,656                 | 22,186                        | 2,867                  | 48,603             | 3,214       | 273      |
| July.....               | 77,713           | 4,192                           | 72,521    | 70,043                 | 21,398                        | 2,755                  | 45,889             | 3,206       | 272      |
| August.....             | 85,472           | 4,514                           | 80,958    | 77,372                 | 24,459                        | 2,918                  | 49,995             | 3,277       | 309      |
| September.....          | 79,857           | 5,294                           | 74,563    | 71,045                 | 22,784                        | 2,828                  | 45,463             | 3,200       | 318      |

<sup>1</sup> Data for the executive branch cover, in addition to the area inside the District of Columbia, the adjacent sections of Maryland and Virginia which are defined by the Bureau of the Census as in the metropolitan area.

<sup>2</sup> See footnote 1, table A-5.

<sup>3</sup> See footnote 2, table A-5.

TABLE A-9: Employees in Nonagricultural Establishments for Selected States<sup>1</sup>

[In thousands]

| State                   | 1950  |       |       |        |        |       |       |       |       |       | 1949  |       |        |       | Annual average<br>1947 |
|-------------------------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|-------|------------------------|
|                         | Sept. | Aug.  | July  | June   | May    | Apr.  | Mar.  | Feb.  | Jan.  | Dec.  | Nov.  | Oct.  | Sept.  |       |                        |
| Arizona                 | 157   | 154   | 152   | *152   | 153    | 154   | 153   | 152   | *151  | 155   | 152   | 151   | 149    | 148   |                        |
| Arkansas <sup>2</sup>   | 201   | 208   | 203   | 205    | 201    | 207   | 203   | 205   | 207   | 201   | 208   | 201   | 204    | 203   |                        |
| California <sup>2</sup> | 3,360 | 3,318 | 3,209 | 3,166  | 3,123  | 3,096 | 3,051 | 3,021 | 3,035 | 3,146 | 3,102 | 3,146 | 3,166  | 3,166 |                        |
| Colorado <sup>2</sup>   | 362   | 356   | 344   | 339    | 330    | 334   | 329   | 321   | 327   | 343   | 339   | 339   | 348    | 331   |                        |
| Connecticut             | 776   | 758   | 743   | 742    | 734    | 726   | 715   | 710   | *712  | *744  | *734  | *733  | 724    | 774   |                        |
| Georgia                 | 806   | 798   | 774   | 764    | 763    | 760   | 751   | 745   | 746   | 766   | 763   | 764   | 762    | 742   |                        |
| Idaho                   | 140   | 136   | 132   | *128   | *122   | *119  | *116  | *113  | *115  | *125  | *126  | *127  | 132    | 122   |                        |
| Illinois                |       |       |       |        |        |       |       |       |       | 3,080 | 3,031 | 3,017 | 3,070  | 3,127 |                        |
| Indiana                 |       |       |       |        |        |       |       |       |       |       |       |       |        |       |                        |
| Iowa                    | 1,273 | 1,260 | 1,228 | 1,231  | 1,206  | 1,182 | 1,156 | 1,140 | 1,150 | 1,181 | 1,119 | 1,113 | 1,192  | 1,196 |                        |
| Kansas                  | 471   | 465   | 460   | 459    | 452    | 445   | 436   | 430   | 435   | 454   | 454   | 452   | 451    | 425   |                        |
| Maine                   | 270   | 270   | 262   | 258    | 249    | 239   | 237   | 239   | 239   | 249   | 248   | 257   | 260    | 262   |                        |
| Maryland                | 723   | 718   | 701   | 700    | 686    | 682   | 669   | 662   | 665   | 681   | 678   | 662   | 690    | 671   |                        |
| Massachusetts           | 1,683 | 1,670 | 1,632 | 1,639  | 1,615  | 1,606 | 1,597 | 1,589 | 1,611 | 1,668 | 1,639 | 1,642 | 1,642  | 1,709 |                        |
| Minnesota               | 825   | 811   | 794   | 783    | 774    | 764   | 755   | 752   | 758   | 778   | 779   | 770   | 786    | 771   |                        |
| Missouri                | 1,157 | 1,142 | 1,128 | 1,127  | *1,117 | 1,103 | 1,092 | 1,084 | 1,085 | 1,127 | 1,110 | 1,109 | 1,118  | 1,116 |                        |
| Montana                 | 159   | 159   | 157   | *156   | 152    | 147   | 141   | 140   | 141   | 148   | 149   | 150   | 153    | 136   |                        |
| Nebraska                | 317   | 312   | 310   | *310   | 303    | 299   | 294   | 293   | 296   | 309   | 309   | 313   | 313    | 296   |                        |
| Nevada                  | 57    | 56    | 56    | *54    | 52     | 51    | 49    | 49    | 49    | 50    | 50    | 51    | 53     | 53    |                        |
| New Hampshire           | 173   | 173   | 169   | 167    | 163    | 162   | 161   | 161   | 160   | 164   | 163   | 164   | 167    | 167   |                        |
| New Jersey              | 1,655 | 1,631 | 1,587 | *1,587 | 1,561  | 1,549 | 1,526 | 1,518 | 1,523 | 1,574 | 1,554 | 1,563 | 1,614  |       |                        |
| New Mexico <sup>2</sup> | 151   | 150   | 148   | 147    | 145    | 144   | 141   | 138   | 136   | 142   | 143   | 143   | 143    | 122   |                        |
| New York                | 5,726 | 5,652 | 5,543 | 5,522  | 5,496  | 5,472 | 5,442 | 5,415 | 5,424 | 5,621 | 5,535 | 5,533 | 5,568  | 5,558 |                        |
| North Dakota            | 116   | 115   | 114   | 113    | 109    | 106   | 104   | 102   | 104   | 114   | *113  | *114  | *114   | 99    |                        |
| Oklahoma                | 468   | 464   | 464   | 459    | 457    | 450   | 446   | 450   | 450   | 464   | 464   | 462   | 463    | 432   |                        |
| Oregon <sup>2</sup>     | 461   | 460   | 442   | 435    | 419    | 407   | 394   | 374   | 369   | 411   | 415   | 424   | 439    | 417   |                        |
| Pennsylvania            | 3,672 | 3,615 | 3,520 | *3,542 | 3,470  | 3,474 | 3,418 | 3,296 | 3,376 | 3,502 | 3,354 | 3,190 | *3,487 | 3,628 |                        |
| Rhode Island            | 298   | 289   | 280   | 280    | 275    | 276   | 276   | 274   | 284   | 281   | 283   | 278   | 294    |       |                        |
| Tennessee               | 732   | 725   | 711   | 708    | 702    | 704   | 695   | 684   | 692   | 714   | 701   | 703   | 708    | 701   |                        |
| Utah                    | 200   | 191   | 191   | *186   | 180    | *177  | *174  | 166   | 170   | *184  | 182   | *184  | 193    | 178   |                        |
| Vermont                 | 98    | 98    | 96    | *95    | 94     | 93    | 91    | 91    | 91    | 95    | 94    | 96    | 96     | 99    |                        |
| Washington              | 708   | 691   | 673   | *661   | *653   | *641  | *625  | *597  | *591  | *643  | *646  | *666  | 690    | 660   |                        |
| West Virginia           | 532   | 530   | 520   | 521    | 519    | 516   | 506   | 588   | 498   | 519   | 504   | 494   | 518    |       |                        |
| Wisconsin               | 1,048 | 1,031 | 1,026 | 998    | 986    | 967   | 958   | 950   | 953   | *971  | 967   | *975  | 982    | 985   |                        |
| Wyoming                 | 82    | 86    | 84    | *82    | *78    | *75   | *72   | *69   | *72   | *78   | *80   | *81   | 83     | 73    |                        |

<sup>1</sup> Revised data in all except the first 3 columns will be identified by an asterisk (\*) for the first month's publication of such data. Additional data, January 1943 to date, are available upon request to the Bureau of Labor Statistics or the cooperating State agency. See table A-10 for addresses of cooperating State agencies.

<sup>2</sup> Revised series, not comparable with data previously published.

<sup>3</sup> Not comparable with preceding data shown.

TABLE A-10: Employees in Manufacturing Industries, by State<sup>1</sup>

[In thousands]

| State                   | 1950    |         |         |          |         |         |         |         |         |         | 1949    |         |          |         | Annual Average 1947 |  |
|-------------------------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------------------|--|
|                         | Sept.   | Aug.    | July    | June     | May     | Apr.    | Mar.    | Feb.    | Jan.    | Dec.    | Nov.    | Oct.    | Sept.    |         |                     |  |
| Alabama <sup>2</sup>    | 223.3   | 218.9   | 212.7   | 209.1    | 207.2   | 205.8   | 206.0   | 205.2   | 208.1   | 212.0   | 195.2   | 186.0   | 209.1    | 224.1   |                     |  |
| Arizona                 | 16.2    | 15.9    | 15.9    | *16.0    | 15.6    | 15.5    | 14.8    | 14.5    | 14.5    | 15.1    | 15.2    | 14.7    | 14.3     | 14.2    |                     |  |
| Arkansas <sup>3</sup>   | 78.0    | 76.2    | 74.5    | 73.5     | 73.9    | 72.1    | 70.3    | 67.7    | 67.0    | 65.7    | 69.7    | 69.3    | 70.6     | 75.1    |                     |  |
| California <sup>4</sup> | 843.3   | 843.4   | 763.9   | 731.0    | 716.2   | 703.6   | 688.0   | 672.8   | 670.7   | 688.7   | 688.4   | 730.1   | 747.6    |         |                     |  |
| Colorado <sup>5</sup>   | 62.7    | 59.5    | 56.9    | 54.7     | 53.2    | 53.2    | 52.5    | 51.9    | 52.3    | 55.9    | 54.4    | 53.0    | 53.0     | 57.5    |                     |  |
| Connecticut             | 387.3   | 374.5   | 361.1   | 362.6    | 359.5   | 356.9   | 344.7   | 45.0    | 44.0    | 43.5    | 42.8    | 42.8    | *45.3    | 45.9    |                     |  |
| Delaware <sup>6</sup>   | 50.7    | 50.6    | 47.0    | *46.6    | 44.7    | 45.0    | 44.0    | 44.0    | 44.0    | 42.9    | 42.8    | 42.8    | 42.8     | 45.9    |                     |  |
| District of Columbia    | 15.7    | 15.8    | 15.7    | 16.4     | 16.3    | 16.1    | 16.1    | 16.0    | 16.1    | 16.4    | 16.4    | 16.3    | 16.3     | 16.8    |                     |  |
| Florida                 | 291.0   | 287.5   | 270.3   | *265.2   | 266.0   | 267.1   | 266.1   | 264.0   | 265.8   | 267.3   | 268.9   | 267.6   | 264.3    | 273.7   |                     |  |
| Georgia                 | 25.4    | 23.9    | 23.8    | *20.4    | *17.5   | *16.4   | *16.4   | *15.9   | *16.3   | *20.7   | *21.5   | *21.5   | *21.5    | 23.3    | 20.5                |  |
| Idaho                   |         |         |         |          |         |         |         |         |         | 1,118.5 | 1,107.5 | 1,095.9 | 1,125.3  | 1,248.0 |                     |  |
| Illinois <sup>7</sup>   | 565.5   | 557.7   | 565.7   | *569.6   | 557.1   | 558.7   | 527.2   | 524.8   | 525.2   | 519.5   | 474.5   | 476.7   | 538.3    | 562.6   |                     |  |
| Iowa                    | 145.0   | 151.6   | 148.8   | *147.0   | 147.7   | 147.5   | 147.0   | 147.0   | 146.1   | 146.7   | 144.7   | 144.8   | 146.6    | 149.6   |                     |  |
| Kansas                  | 65.0    | 93.0    | 96.0    | 90.0     | 88.3    | 86.6    | 86.0    | 86.0    | 86.2    | 86.4    | 87.0    | 87.5    | 87.5     | 91.5    |                     |  |
| Kentucky <sup>8</sup>   | 139.0   | 142.1   | 136.8   | 134.6    | 131.5   | 130.7   | 130.7   | 132.3   | 132.9   | 138.1   | 127.9   | 127.0   | 130.9    | 136.3   |                     |  |
| Louisiana               | 141.9   | 128.9   | 132.6   | 132.4    | 129.7   | 129.7   | 129.1   | 129.1   | 130.4   | 130.1   | 140.6   | 136.7   | 136.3    | 151.0   |                     |  |
| Maine                   | 116.8   | 117.2   | 110.3   | 108.3    | 101.6   | 95.9    | 98.4    | 99.3    | 98.3    | 99.1    | 99.9    | 106.3   | 107.7    | 114.5   |                     |  |
| Maryland                | 227.8   | 225.8   | 212.2   | *213.9   | 209.3   | 207.7   | 204.2   | 203.9   | 203.0   | 202.0   | 207.5   | 192.0   | 214.6    | 230.3   |                     |  |
| Massachusetts           | 680.6   | 678.0   | 645.0   | 644.5    | 632.8   | 636.2   | 642.4   | 639.8   | 639.2   | 644.3   | 642.6   | 647.3   | 645.2    | 642.6   |                     |  |
| Michigan                | 1,154.0 | 1,129.2 | 1,116.3 | *1,108.6 | 1,091.9 | 932.7   | 909.4   | 905.0   | 900.1   | 931.7   | 906.3   | 986.9   | 1,009.4  | 1,041.7 |                     |  |
| Minnesota               | 213.2   | 206.9   | 198.3   | 190.3    | 187.2   | 184.4   | 183.2   | 181.7   | 181.6   | 184.5   | 185.2   | 187.1   | 189.7    | 199.5   |                     |  |
| Mississippi             | 91.9    | 94.0    | 84.4    | 84.4     | 81.5    | 79.8    | 81.3    | 79.3    | 75.5    | 77.7    | 78.0    | 78.0    | 78.0     | 91.9    |                     |  |
| Missouri                | 355.5   | 352.0   | 349.4   | 328.8    | 334.6   | 338.8   | 333.0   | 330.0   | 335.0   | 331.3   | 328.2   | *323.6  | 330.1    | 348.8   |                     |  |
| Montana                 | 20.9    | 19.9    | 16.6    | *19.1    | 18.5    | 17.6    | 17.6    | 17.6    | 17.3    | 18.3    | 19.1    | 19.8    | 20.1     | 18.4    |                     |  |
| Nebraska                | 50.4    | 50.2    | 49.6    | *48.7    | 46.7    | 46.1    | 45.4    | 45.6    | 45.9    | 47.7    | 48.6    | 49.6    | 48.6     | 49.3    |                     |  |
| Nevada                  | 3.3     | 3.4     | 3.3     | 3.1      | 3.1     | 3.0     | 3.0     | 2.9     | 2.9     | 3.0     | 3.0     | 3.0     | 3.1      | 3.3     |                     |  |
| New Hampshire           | 80.2    | 78.8    | 76.1    | 75.7     | 74.5    | 74.9    | 76.8    | 76.9    | 75.3    | 74.9    | 74.4    | 74.6    | 75.0     | 82.8    |                     |  |
| New Jersey              | 756.6   | 740.9   | 704.4   | *710.8   | 696.6   | 696.8   | 695.2   | 687.5   | 693.7   | 693.7   | 700.2   | 693.7   | 775.3    |         |                     |  |
| New Mexico <sup>9</sup> | 11.9    | 12.0    | 11.9    | 11.7     | 11.5    | 11.2    | 11.0    | 10.8    | 9.8     | 10.7    | 11.5    | 11.2    | 9.1      |         |                     |  |
| New York                | 1,905.6 | 1,862.4 | 1,755.7 | 1,744.3  | 1,739.0 | 1,742.1 | 1,775.0 | 1,773.6 | 1,753.8 | 1,781.0 | 1,780.0 | 1,801.3 | 1,809.1  | 1,903.7 |                     |  |
| North Carolina          | 432.0   | 416.9   | 388.5   | *392.2   | 391.0   | 393.5   | 395.5   | 398.2   | 400.5   | 401.0   | 399.7   | 399.9   | 395.2    | 412.1   |                     |  |
| North Dakota            |         |         |         |          |         |         |         |         |         |         |         |         |          |         |                     |  |
| Ohio <sup>10</sup>      | 1,236.0 | 1,213.8 | 1,178.1 | 1,173.1  | 1,151.3 | 1,134.1 | 1,119.8 | 1,109.7 | 1,100.1 | 1,100.3 | 1,095.7 | 1,036.0 | 1,024.2  | 1,099.7 | 1,245.1             |  |
| Oklahoma                |         |         |         |          |         |         |         |         |         |         |         |         |          |         |                     |  |
| Oregon <sup>11</sup>    | 147.4   | 150.2   | 140.1   | 138.7    | 129.7   | 122.1   | 115.7   | 103.8   | 99.0    | 117.7   | 124.4   | 129.8   | 140.3    | 132.8   |                     |  |
| Pennsylvania            | 1,469.6 | 1,429.8 | 1,364.9 | *1,375.8 | 1,362.1 | 1,350.2 | 1,340.4 | 1,343.8 | 1,333.1 | 1,340.7 | 1,249.3 | 1,176.5 | *1,339.5 | 1,52.5  |                     |  |
| Rhode Island            | 149.3   | 143.4   | 143.5   | 135.0    | 134.5   | 131.6   | 133.4   | 135.6   | 137.6   | 134.4   | 135.1   | 136.3   | 135.9    | 131.8   | 153.5               |  |
| South Carolina          | 210.9   | 207.6   | 201.2   | 200.6    | 199.6   | 198.0   | 200.8   | 200.6   | 200.5   | 199.4   | 200.8   | 200.5   | 201.8    | 199.9   | 202.1               |  |
| South Dakota            | 11.4    | 11.6    | 11.6    | 11.4     | 10.9    | 10.8    | 10.8    | 11.0    | 10.9    | 11.1    | 11.4    | 11.5    | 11.4     | 11.3    |                     |  |
| Tennessee               | 287.7   | 266.9   | 247.3   | 243.1    | 237.4   | 238.9   | 229.7   | 236.7   | 235.8   | 236.4   | 233.5   | 240.8   | 237.9    | 253.6   |                     |  |
| Texas                   | 388.7   | 358.5   | 340.0   | *336.8   | 337.0   | 330.7   | 331.9   | 330.0   | 332.5   | 335.5   | 332.1   | 333.9   | 334.6    | 321.6   |                     |  |
| Utah                    | 33.8    | 29.9    | 30.2    | *27.2    | *26.1   | 25.1    | 25.0    | 25.3    | 27.7    | 27.0    | 27.7    | 32.4    | 26.5     |         |                     |  |
| Vermont                 | 36.6    | 35.9    | 33.9    | 34.3     | 33.9    | 34.0    | 33.8    | 32.7    | 34.5    | 34.7    | 35.0    | 34.0    | 39.8     |         |                     |  |
| Virginia <sup>12</sup>  | 237.2   | 231.5   | 220.2   | 218.3    | 216.6   | 217.6   | 217.2   | 218.5   | 219.8   | 222.9   | 222.9   | 221.6   | 224.5    |         |                     |  |
| Washington              | 189.8   | 182.3   | 173.3   | *167.7   | *167.4  | *161.3  | *167.5  | *147.4  | *143.0  | *156.8  | *163.6  | *172.6  | *183.6   | 173.5   |                     |  |
| West Virginia           | 136.1   | 135.2   | 131.7   | 131.4    | 129.6   | 126.6   | 126.1   | 126.7   | 125.8   | 126.0   | 120.5   | 121.1   | 127.2    | *137.0  |                     |  |
| Wisconsin               | 453.3   | 446.7   | 446.1   | 418.4    | 411.0   | 405.1   | 404.5   | 397.6   | 393.5   | 388.0   | 392.0   | 398.2   | 404.2    | 431.1   |                     |  |
| Wyoming                 | 6.7     | 6.6     | 6.1     | 5.7      | 5.5     | 5.3     | 5.6     | 5.5     | 5.6     | *5.6    | *7.0    | *7.2    | 6.9      | 6.3     |                     |  |

<sup>1</sup> Revised data in all except the first three columns will be identified by an asterisk (\*) for the first month's publication of such data. Additional data, January 1943 to date, are available upon request to the Bureau of Labor Statistics or the cooperating State Agency listed below.

<sup>2</sup> Revised series; not comparable with data previously published.

<sup>3</sup> Not comparable with preceding data shown.

<sup>4</sup> The Manufacturing series for these States are based on the 1942 Social Security Board Classification (others are on the 1945 Standard Industrial Classification).

<sup>5</sup> Not strictly comparable with data shown for 1949 and 1950.

*Cooperating State Agencies:*

Alabama—Department of Industrial Relations, Montgomery 5.

Arizona—Unemployment Compensation Division, Employment Security Commission, Phoenix.

Arkansas—Employment Security Division, Department of Labor, Little Rock.

California—Division of Labor Statistics and Research, Department of Industrial Relations, San Francisco 1.

Colorado—Department of Employment Security, Denver 2.

Connecticut—Employment Security Division, Department of Labor and Factory Inspection, Hartford 5.

Delaware—Federal Reserve Bank of Philadelphia, Philadelphia 1, Pa.

District of Columbia—U. S. Employment Service for D. C., Washington 25.

Florida—Unemployment Compensation Division, Industrial Commission, Tallahassee.

Georgia—Employment Security Agency, Department of Labor, Atlanta 3.

Idaho—Employment Security Agency, Boise.

Illinois—Division of Placement and Unemployment Compensation, Department of Labor, Chicago 54.

Indiana—Employment Security Division, Indianapolis 9.

Iowa—Employment Security Commission, Des Moines 8.

Kansas—Employment Security Division, State Labor Department, Topeka.

Kentucky—Bureau of Employment Security, Department of Economic Security, Frankfort.

Louisiana—Division of Employment Security, Department of Labor, Baton Rouge 4.

Maine—Employment Security Commission, Augusta.

Maryland—Department of Employment Security, Baltimore 1.

Massachusetts—Division of Statistics, Department of Labor and Industries, Boston 10.

Michigan—Unemployment Compensation Commission, Detroit 2.

Minnesota—Division of Employment and Security, St. Paul 1.

Mississippi—Employment Security Commission, Jackson.

Missouri—Division of Employment Security, Department of Labor and Industrial Relations, Jefferson City.

Montana—Unemployment Compensation Commission, Helena.

Nebraska—Division of Employment Security, Department of Labor, Lincoln 1.

Nevada—Employment Security Department, Carson City.

New Hampshire—Division of Employment Security, Department of Labor, Concord.

New Jersey—Department of Labor and Industry, Trenton 8.

New Mexico—Employment Security Commission, Albuquerque.

New York—Bureau of Research and Statistics, Division of Placement and Unemployment Insurance, Department of Labor, New York 17.

North Carolina—Department of Labor, Raleigh.

North Dakota—Unemployment Compensation Division, Bismarck.

Ohio—Bureau of Unemployment Compensation, Columbus 16.

Oklahoma—Employment Security Commission, Oklahoma City 2.

Oregon—Employment Compensation Commission, Salem.

Pennsylvania—Federal Reserve Bank of Philadelphia, Philadelphia 1 (mf); Bureau of Research and Information, Department of Labor and Industry, Harrisburg (nonmf).

Rhode Island—Department of Labor, Providence 2.

South Carolina—Employment Security Commission, Columbia 10.

South Dakota—Employment Security Department, Aberdeen.

Tennessee—Department of Employment Security, Nashville 3.

Texas—Employment Commission, Austin 19.

Utah—Department of Employment Security, Industrial Commission, Salt Lake City 13.

Vermont—Unemployment Compensation Commission, Montpelier.

Virginia—Division of Research and Statistics, Department of Labor and Industry, Richmond.

Washington—Employment Security Department, Olympia.

West Virginia—Department of Employment Security, Charleston 5.

Wisconsin—Industrial Commission, Madison 3.

Wyoming—Employment Security Commission, Casper.

TABLE A-11: Insured Unemployment Under State Unemployment Insurance Programs,<sup>1</sup> by Geographic Division and State

[In thousands]

| Geographic division and State | 1950    |         |         |         |         |         |         |         | 1949    |         |         |         |         | 1948  |
|-------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
|                               | Aug.    | July    | June    | May     | April   | Mar.    | Feb.    | Jan.    | Dec.    | Nov.    | Oct.    | Sept.   | Aug.    | Aug.  |
|                               | 1,063.2 | 1,388.4 | 1,521.1 | 1,700.3 | 1,908.8 | 2,112.1 | 2,325.9 | 2,380.9 | 2,200.0 | 2,019.9 | 1,855.7 | 1,885.6 | 2,140.4 | 922.2 |
| Continental United States     |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| New England                   | 105.0   | 155.3   | 186.5   | 224.6   | 225.1   | 162.5   | 181.8   | 202.8   | 191.2   | 180.9   | 174.9   | 207.9   | 269.9   | 103.2 |
| Maine                         | 7.4     | 10.1    | 13.0    | 19.6    | 22.7    | 17.5    | 19.8    | 21.8    | 20.9    | 16.9    | 11.2    | 12.0    | 16.7    | 6.6   |
| New Hampshire                 | 8.8     | 10.8    | 12.9    | 14.9    | 16.3    | 13.1    | 12.3    | 13.1    | 12.9    | 12.2    | 12.9    | 12.3    | 15.4    | 5.3   |
| Vermont                       | 2.2     | 3.8     | 4.0     | 4.6     | 4.5     | 5.5     | 5.5     | 5.5     | 4.0     | 3.4     | 3.9     | 5.6     | 1.7     |       |
| Massachusetts                 | 55.8    | 85.3    | 107.1   | 121.8   | 123.6   | 78.0    | 89.6    | 101.4   | 99.2    | 95.1    | 80.6    | 106.1   | 137.3   | 52.8  |
| Rhode Island                  | 13.7    | 20.1    | 26.6    | 33.6    | 25.9    | 15.4    | 16.3    | 19.2    | 17.1    | 17.4    | 20.2    | 27.5    | 33.2    | 15.2  |
| Connecticut                   | 17.2    | 25.9    | 23.5    | 27.0    | 32.0    | 24.0    | 28.3    | 41.2    | 35.6    | 35.3    | 39.6    | 46.2    | 61.7    | 21.6  |
| Middle Atlantic               | 369.1   | 478.4   | 495.4   | 481.5   | 526.0   | 594.2   | 622.2   | 685.5   | 678.3   | 663.7   | 637.4   | 631.8   | 692.9   | 302.6 |
| New York                      | 212.2   | 311.0   | 307.4   | 269.2   | 292.2   | 319.3   | 343.1   | 379.1   | 358.9   | 378.3   | 361.3   | 355.5   | 386.4   | 200.9 |
| New Jersey                    | 44.6    | 60.7    | 68.1    | 79.6    | 84.9    | 88.3    | 92.1    | 101.5   | 91.4    | 84.4    | 78.5    | 82.1    | 94.5    | 41.8  |
| Pennsylvania                  | 82.3    | 106.7   | 119.9   | 132.7   | 148.9   | 186.6   | 187.0   | 204.9   | 201.0   | 201.0   | 197.6   | 194.2   | 212.9   | 59.9  |
| East North Central            | 178.4   | 218.4   | 242.4   | 304.0   | 373.4   | 417.6   | 462.3   | 477.9   | 510.9   | 462.0   | 384.6   | 371.4   | 409.1   | 153.5 |
| Ohio                          | 41.0    | 57.5    | 65.0    | 81.6    | 103.5   | 130.9   | 146.9   | 157.4   | 141.6   | 144.9   | 135.2   | 112.9   | 113.5   | 26.9  |
| Indiana                       | 8.9     | 13.1    | 14.5    | 19.2    | 26.7    | 34.6    | 38.6    | 38.8    | 40.3    | 37.1    | 30.9    | 29.7    | 37.3    | 17.8  |
| Illinois                      | 103.6   | 117.5   | 128.6   | 147.6   | 148.1   | 133.2   | 145.4   | 141.1   | 133.4   | 134.3   | 149.0   | 166.2   | 149.0   | 68.6  |
| Michigan                      | 18.2    | 22.0    | 24.6    | 42.7    | 75.9    | 94.6    | 98.6    | 88.3    | 150.7   | 114.5   | 62.0    | 58.7    | 67.4    | 34.4  |
| Wisconsin                     | 6.7     | 8.3     | 9.7     | 12.9    | 16.2    | 24.3    | 29.8    | 34.0    | 37.2    | 32.1    | 22.2    | 21.1    | 24.7    | 5.8   |
| West North Central            | 38.8    | 49.0    | 57.4    | 77.7    | 101.7   | 124.9   | 140.6   | 130.8   | 93.6    | 73.3    | 58.7    | 58.0    | 64.6    | 36.7  |
| Minnesota                     | 8.3     | 10.8    | 13.1    | 23.2    | 32.8    | 37.8    | 40.1    | 34.7    | 24.0    | 16.8    | 13.8    | 15.8    | 17.3    | 7.9   |
| Iowa                          | 4.5     | 4.8     | 5.1     | 6.2     | 8.9     | 13.5    | 15.8    | 15.2    | 10.0    | 6.6     | 5.0     | 5.5     | 7.3     | 3.2   |
| Missouri                      | 20.0    | 25.5    | 29.7    | 34.6    | 39.3    | 44.5    | 50.2    | 50.2    | 41.1    | 39.0    | 31.5    | 29.1    | 31.9    | 21.0  |
| North Dakota                  | .3      | .4      | .7      | 2.2     | 3.7     | 4.6     | 4.8     | 3.8     | 1.9     | .6      | .2      | .2      | .3      | .1    |
| South Dakota                  | .4      | .4      | .5      | 1.0     | 1.9     | 2.9     | 3.5     | 3.0     | 1.8     | .7      | .4      | .4      | .5      | .2    |
| Nebraska                      | 1.3     | 1.9     | 2.3     | 3.3     | 5.4     | 8.1     | 9.5     | 7.9     | 4.5     | 2.2     | 1.7     | 1.7     | 1.9     | 1.1   |
| Kansas                        | 4.0     | 5.2     | 6.0     | 7.2     | 9.7     | 13.2    | 16.7    | 16.0    | 10.3    | 7.4     | 6.1     | 5.3     | 5.4     | 3.2   |
| South Atlantic                | 113.0   | 157.8   | 165.5   | 167.7   | 164.0   | 172.2   | 181.1   | 180.3   | 168.3   | 161.4   | 163.3   | 181.5   | 220.0   | 82.3  |
| Delaware                      | 1.2     | 1.8     | 1.9     | 2.3     | 2.7     | 3.5     | 3.8     | 3.8     | 3.2     | 3.4     | 3.1     | 3.4     | 3.1     | 1.1   |
| Maryland                      | 22.1    | 25.3    | 29.1    | 29.3    | 25.1    | 29.6    | 31.8    | 30.8    | 28.6    | 27.2    | 28.8    | 36.3    | 32.2    |       |
| District of Columbia          | 3.4     | 4.0     | 4.1     | 4.6     | 5.9     | 6.5     | 6.6     | 5.0     | 4.4     | 4.3     | 4.3     | 4.7     | 4.4     | 2.8   |
| Virginia                      | 13.7    | 22.1    | 24.1    | 18.9    | 15.7    | 20.9    | 21.6    | 20.6    | 18.2    | 15.8    | 15.9    | 17.8    | 26.5    | 8.1   |
| West Virginia                 | 16.7    | 21.8    | 24.1    | 23.4    | 21.8    | 26.2    | 27.6    | 27.9    | 25.4    | 28.2    | 27.9    | 26.6    | 30.9    | 7.1   |
| North Carolina                | 19.0    | 30.8    | 33.7    | 36.7    | 37.3    | 34.1    | 32.5    | 30.3    | 27.7    | 26.7    | 26.2    | 31.2    | 38.2    | 14.3  |
| South Carolina                | 11.4    | 15.8    | 15.4    | 14.8    | 14.4    | 15.5    | 15.9    | 15.8    | 16.5    | 15.1    | 14.8    | 17.0    | 20.8    | 7.2   |
| Georgia                       | 12.4    | 18.9    | 21.1    | 23.2    | 22.8    | 25.0    | 26.5    | 24.7    | 22.2    | 19.8    | 19.0    | 23.5    | 28.1    | 10.2  |
| Florida                       | 19.1    | 20.5    | 15.8    | 14.7    | 14.1    | 15.4    | 17.0    | 19.6    | 19.3    | 20.0    | 24.6    | 28.8    | 31.4    | 19.3  |
| East South Central            | 62.1    | 78.8    | 87.4    | 99.5    | 105.4   | 116.8   | 122.9   | 113.2   | 100.2   | 101.1   | 97.4    | 98.4    | 114.1   | 47.7  |
| Kentucky                      | 15.3    | 19.4    | 22.3    | 24.8    | 28.5    | 29.7    | 30.7    | 26.7    | 25.2    | 26.6    | 25.8    | 25.2    | 27.6    | 7.9   |
| Tennessee                     | 22.2    | 27.3    | 32.6    | 36.8    | 40.1    | 41.9    | 45.0    | 42.5    | 37.8    | 35.4    | 31.2    | 33.6    | 39.4    | 20.6  |
| Alabama                       | 16.9    | 22.1    | 21.9    | 25.4    | 25.9    | 28.3    | 28.6    | 27.1    | 26.6    | 30.1    | 31.5    | 29.6    | 34.5    | 13.8  |
| Mississippi                   | 7.7     | 10.0    | 10.6    | 12.5    | 14.2    | 16.9    | 18.6    | 16.9    | 11.9    | 9.0     | 8.9     | 10.0    | 12.6    | 5.4   |
| West South Central            | 52.1    | 62.8    | 69.9    | 83.4    | 95.0    | 107.6   | 116.4   | 100.4   | 73.3    | 63.7    | 64.2    | 67.8    | 73.8    | 30.4  |
| Arkansas                      | 7.7     | 9.4     | 10.4    | 14.0    | 20.6    | 29.7    | 30.7    | 20.4    | 13.3    | 10.8    | 10.3    | 10.1    | 11.0    | 5.2   |
| Louisiana                     | 18.1    | 21.5    | 22.5    | 25.8    | 29.9    | 33.4    | 36.4    | 30.0    | 23.5    | 21.6    | 22.5    | 23.1    | 24.3    | 10.0  |
| Oklahoma                      | 9.8     | 11.4    | 12.6    | 14.8    | 16.9    | 19.2    | 21.7    | 20.1    | 14.8    | 12.7    | 12.2    | 13.0    | 14.8    | 6.2   |
| Texas                         | 16.5    | 20.7    | 24.4    | 28.8    | 30.6    | 35.1    | 35.1    | 29.9    | 21.7    | 18.6    | 19.2    | 21.6    | 24.0    | 9.0   |
| Mountain                      | 14.6    | 18.6    | 20.5    | 27.8    | 37.9    | 53.9    | 65.7    | 60.1    | 39.2    | 29.4    | 27.9    | 29.5    | 25.2    | 10.2  |
| Montana                       | 1.4     | 1.9     | 2.5     | 4.6     | 8.2     | 11.8    | 13.3    | 11.3    | 8.0     | 3.0     | 2.1     | 2.0     | 2.1     | .7    |
| Idaho                         | 1.4     | 1.7     | 1.5     | 3.0     | 5.6     | 9.8     | 12.8    | 11.7    | 7.2     | 3.5     | 2.6     | 2.3     | 1.9     | .8    |
| Wyoming                       | .4      | .7      | .9      | 1.4     | 2.0     | 3.2     | 3.9     | 3.1     | 1.6     | .9      | .7      | .5      | .6      | .2    |
| Colorado                      | 3.2     | 4.2     | 4.7     | 5.6     | 5.6     | 7.0     | 8.6     | 8.5     | 6.1     | 6.7     | 7.4     | 4.0     | 4.9     | 2.1   |
| New Mexico                    | 1.6     | 2.0     | 2.2     | 2.7     | 3.4     | 4.4     | 5.0     | 4.3     | 3.2     | 2.2     | 2.0     | 2.3     | 2.7     | .8    |
| Arizona                       | 3.4     | 3.6     | 3.6     | 4.2     | 4.7     | 5.8     | 7.1     | 7.0     | 5.8     | 5.5     | 5.6     | 6.1     | 6.7     | 2.7   |
| Utah                          | 2.1     | 3.1     | 3.5     | 4.3     | 5.9     | 8.6     | 11.1    | 10.3    | 8.5     | 5.2     | 5.5     | 4.3     | 4.4     | 2.0   |
| Nevada                        | 1.1     | 1.4     | 1.6     | 2.0     | 2.5     | 3.3     | 3.9     | 3.9     | 2.8     | 2.4     | 2.0     | 2.0     | 1.9     | .9    |
| Pacific                       | 129.9   | 160.4   | 196.1   | 234.2   | 280.4   | 362.7   | 432.9   | 430.1   | 345.3   | 284.3   | 246.8   | 245.1   | 270.9   | 155.7 |
| Washington                    | 13.2    | 15.6    | 16.5    | 23.9    | 36.0    | 54.3    | 82.6    | 87.4    | 62.0    | 48.0    | 36.4    | 30.6    | 31.4    | 16.1  |
| Oregon                        | 7.5     | 9.6     | 8.3     | 12.3    | 20.6    | 35.0    | 57.1    | 56.8    | 36.3    | 27.7    | 21.1    | 17.7    | 18.1    | 6.6   |
| California                    | 109.2   | 144.2   | 171.3   | 198.0   | 223.8   | 273.4   | 293.2   | 285.9   | 246.1   | 208.6   | 189.3   | 196.8   | 221.4   | 133.0 |

<sup>1</sup> Average of weeks ended in specified months. Figures may not add to exact column totals because of rounding.

For a technical description of this series, see the April 1950 Monthly Labor Review (p. 382).

SOURCE: U. S. Department of Labor, Bureau of Employment Security.

## B: Labor Turn-Over

TABLE B-1: Monthly Labor Turn-Over Rates (Per 100 Employees) in Manufacturing Industries, by Class of Turn-Over<sup>1</sup>

| Class of turn-over and year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----------------------------|------|------|------|------|-----|------|------|------|-------|------|------|------|
| <b>Total accession:</b>     |      |      |      |      |     |      |      |      |       |      |      |      |
| 1950                        | 3.6  | 3.2  | 3.6  | 3.5  | 4.4 | 4.8  | 4.7  | 5.4  | 4.1   | 3.7  | 3.3  | 3.2  |
| 1949                        | 3.2  | 2.9  | 3.0  | 2.9  | 3.5 | 4.4  | 3.5  | 4.4  | 4.1   | 3.7  | 3.3  | 3.2  |
| 1948                        | 4.6  | 3.9  | 4.0  | 4.0  | 4.1 | 5.7  | 4.7  | 5.0  | 5.1   | 4.8  | 3.9  | 2.7  |
| 1947                        | 6.0  | 5.0  | 5.1  | 5.1  | 4.8 | 5.5  | 4.9  | 5.3  | 5.9   | 5.5  | 4.8  | 3.6  |
| 1946                        | 8.5  | 6.8  | 7.1  | 6.7  | 6.1 | 6.7  | 7.4  | 7.0  | 7.1   | 6.8  | 5.7  | 4.3  |
| 1945                        | 7.0  | 5.0  | 4.9  | 4.7  | 5.0 | 5.9  | 5.8  | 5.9  | 7.4   | 8.6  | 8.7  | 8.9  |
| 1939 <sup>2</sup>           | 4.1  | 3.1  | 3.3  | 2.9  | 3.3 | 3.9  | 3.2  | 3.1  | 6.2   | 5.9  | 4.1  | 2.8  |
| <b>Total separation:</b>    |      |      |      |      |     |      |      |      |       |      |      |      |
| 1950                        | 3.1  | 3.0  | 2.9  | 2.8  | 3.1 | 3.0  | 2.9  | 24.3 | 4.2   | 4.1  | 4.0  | 3.2  |
| 1949                        | 4.6  | 4.1  | 4.8  | 4.8  | 5.2 | 4.3  | 3.8  | 4.0  | 5.4   | 4.5  | 4.1  | 4.3  |
| 1948                        | 4.3  | 4.2  | 4.8  | 4.7  | 4.8 | 4.5  | 4.4  | 4.6  | 5.9   | 5.0  | 4.0  | 3.7  |
| 1947                        | 4.9  | 4.5  | 4.9  | 5.2  | 5.4 | 4.7  | 4.6  | 5.3  | 6.0   | 6.3  | 4.9  | 4.5  |
| 1946                        | 6.8  | 6.3  | 6.6  | 6.3  | 6.5 | 5.7  | 5.9  | 6.6  | 8.0   | 8.3  | 7.1  | 5.9  |
| 1945                        | 6.2  | 6.0  | 6.8  | 6.6  | 7.0 | 7.9  | 7.7  | 17.9 | 12.0  | 8.6  | 7.1  | 5.9  |
| 1939 <sup>3</sup>           | 3.2  | 2.6  | 3.1  | 3.5  | 3.5 | 3.3  | 3.3  | 3.0  | 2.8   | 2.9  | 3.0  | 3.3  |
| <b>Quit:<sup>4</sup></b>    |      |      |      |      |     |      |      |      |       |      |      |      |
| 1950                        | 1.1  | 1.0  | 1.2  | 1.3  | 1.6 | 1.7  | 1.8  | 23.0 | 2.1   | 1.5  | 1.2  | .9   |
| 1949                        | 1.7  | 1.4  | 1.6  | 1.7  | 1.6 | 1.5  | 1.4  | 1.8  | 3.9   | 2.8  | 2.2  | 1.7  |
| 1948                        | 2.6  | 2.5  | 2.8  | 3.0  | 2.8 | 2.9  | 2.9  | 3.4  | 3.9   | 2.8  | 2.2  | 1.7  |
| 1947                        | 3.5  | 3.2  | 3.5  | 3.7  | 3.5 | 3.1  | 3.1  | 4.0  | 4.5   | 3.6  | 2.7  | 2.3  |
| 1946                        | 4.3  | 3.9  | 4.2  | 4.3  | 4.2 | 4.0  | 4.6  | 5.3  | 5.8   | 4.7  | 3.7  | 3.0  |
| 1945                        | 4.6  | 4.3  | 5.0  | 4.8  | 4.8 | 5.1  | 5.2  | 6.2  | 6.7   | 5.6  | 4.7  | 4.0  |
| 1939 <sup>3</sup>           | .9   | .6   | .8   | .8   | .7  | .7   | .7   | .8   | 1.1   | .9   | .8   | .7   |
| <b>Discharge:</b>           |      |      |      |      |     |      |      |      |       |      |      |      |
| 1950                        | .2   | .2   | .2   | .2   | .3  | .3   | .3   | 2.4  | .2    | .2   | .2   | .2   |
| 1949                        | .3   | .3   | .3   | .2   | .2  | .2   | .2   | .3   | .2    | .2   | .2   | .2   |
| 1948                        | .4   | .4   | .4   | .4   | .3  | .4   | .4   | .4   | .4    | .4   | .4   | .3   |
| 1947                        | .4   | .4   | .4   | .4   | .4  | .4   | .4   | .4   | .4    | .4   | .4   | .4   |
| 1946                        | .5   | .5   | .4   | .4   | .4  | .4   | .4   | .4   | .4    | .4   | .4   | .4   |
| 1945                        | .7   | .7   | .7   | .6   | .6  | .7   | .6   | .7   | .6    | .5   | .5   | .4   |
| 1939 <sup>3</sup>           | .1   | .1   | .1   | .1   | .1  | .1   | .1   | .1   | .2    | .2   | .2   | .1   |
| <b>Lay-off:<sup>5</sup></b> |      |      |      |      |     |      |      |      |       |      |      |      |
| 1950                        | 1.7  | 1.7  | 1.4  | 1.2  | 1.1 | .9   | .6   | 2.6  | 1.8   | 2.3  | 2.5  | 2.0  |
| 1949                        | 2.5  | 2.3  | 2.8  | 2.8  | 3.3 | 2.5  | 2.1  | 1.8  | 1.8   | 2.3  | 1.4  | 2.2  |
| 1948                        | 1.2  | 1.2  | 1.2  | 1.2  | 1.1 | 1.1  | 1.0  | 1.2  | 1.0   | 1.2  | 1.4  | 1.2  |
| 1947                        | .9   | .8   | .9   | 1.0  | 1.4 | 1.1  | 1.0  | .8   | .9    | .9   | .8   | .9   |
| 1946                        | 1.8  | 1.7  | 1.8  | 1.4  | 1.5 | 1.2  | .6   | .7   | 1.0   | 1.0  | .7   | 1.0  |
| 1945                        | .6   | .7   | .7   | .8   | 1.2 | 1.7  | 1.5  | 10.7 | 4.5   | 2.3  | 1.7  | 1.3  |
| 1939 <sup>3</sup>           | 2.2  | 1.9  | 2.2  | 2.6  | 2.9 | 2.6  | 2.5  | 2.1  | 1.6   | 1.8  | 2.0  | 2.7  |

<sup>1</sup> Month-to-month changes in total employment in manufacturing industries as indicated by labor turn-over rates are not precisely comparable to those shown by the Bureau's employment and payroll reports, as the former are based on data for the entire month, while the latter, for the most part, refer to a 1-week period ending nearest the 15th of the month. The turn-over sample is not so extensive as that of the employment and payroll survey—proportionately fewer small plants are included. The major industries excluded are: printing and publishing; canning and preserving; women's, misses' and children's outerwear; and fertilizers. Plants on strike are also excluded.

<sup>2</sup> Preliminary figures.

<sup>3</sup> Prior to 1943, rates relate to wage earners only.

<sup>4</sup> Prior to September 1940, miscellaneous separations were included with quits.

<sup>5</sup> Including temporary, indeterminate (of more than 7 days' duration) and permanent lay-offs.

TABLE B-2: Monthly Labor Turn-Over Rates (Per 100 Employees) in Selected Groups and Industries<sup>1</sup>

| Industry group and industry                                   | Total accession |              | Separation   |              |              |              |              |              |              |              |                       |              |
|---|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------------|--------------|
|   |                 |              | Total        |              | Quit         |              | Discharge    |              | Lay-off      |              | Misc., incl. military |              |
|   | Aug.<br>1950    | July<br>1950 | Aug.<br>1950 | July<br>1950 | Aug.<br>1950 | July<br>1950 | Aug.<br>1950 | July<br>1950 | Aug.<br>1950 | July<br>1950 | Aug.<br>1950          | July<br>1950 |
| <i>Manufacturing</i>  |                 |              |              |              |              |              |              |              |              |              |                       |              |
| Durable goods <sup>2</sup>                                    | 7.2             | 5.0          | 4.6          | 3.0          | 3.2          | 1.9          | 0.4          | 0.3          | 0.6          | 0.6          | 0.4                   | 0.2          |
| Nondurable goods <sup>3</sup>                                 | 5.2             | 4.2          | 3.9          | 2.7          | 2.7          | 1.7          | .3           | .2           | .6           | .7           | .3                    | .1           |
| Ordnance and accessories                                      | 7.7             | 3.5          | 1.7          | 1.0          | 1.2          | .7           | .3           | .2           | .1           | .1           | (9)                   |              |
| Food and kindred products                                     | 5.5             | 5.5          | 5.8          | 3.9          | 3.2          | 2.0          | .4           | .4           | 1.8          | 1.6          | .4                    | .1           |
| Meat products   | 5.7             | 6.4          | 6.8          | 4.7          | 3.4          | 1.9          | .5           | .4           | 2.4          | 2.2          | .5                    | .2           |
| Grain-mill products   | 5.2             | 5.5          | 4.6          | 3.8          | 3.0          | 1.9          | .7           | .5           | .4           | 1.2          | .5                    | .2           |
| Bakery products   | 4.4             | 3.9          | 4.3          | 3.3          | 3.0          | 2.2          | .4           | .4           | .7           | .6           | .2                    | .1           |
| Beverages:  |                 |              |              |              |              |              |              |              |              |              |                       |              |
| Malt liquors  | 3.1             | 5.5          | 7.4          | 4.1          | 3.3          | 1.9          | .2           | .3           | 3.5          | 1.8          | .4                    | .1           |
| Tobacco manufactures  | 7.0             | 4.2          | 2.6          | 3.2          | 1.9          | 2.0          | .3           | .2           | .3           | .9           | .1                    | .1           |
| Cigarettes  | 7.1             | 4.6          | 1.9          | 1.8          | 1.1          | 1.2          | .4           | .2           | .2           | .3           | .2                    | .1           |
| Cigars  | 6.4             | 3.9          | 2.9          | 3.9          | 2.3          | 2.5          | .2           | .2           | .3           | 1.2          | .1                    | (4)          |
| Tobacco and snuff   | 9.1             | 3.9          | 3.6          | 3.7          | 2.4          | 2.0          | .2           | .2           | .9           | 1.2          | .1                    | .3           |
| Textile-mill products   | 5.6             | 4.1          | 3.5          | 2.6          | 2.6          | 1.7          | .3           | .2           | .4           | .6           | .2                    | .1           |
| Yarn and thread mills   | 6.5             | 4.5          | 4.0          | 2.6          | 3.0          | 1.8          | .3           | .2           | .4           | .4           | .3                    | .2           |
| Broad-woven fabric mills                                      | 5.1             | 4.1          | 3.4          | 2.6          | 2.5          | 1.8          | .3           | .3           | .4           | .4           | .2                    | .1           |
| Cotton, silk, synthetic fiber                                 | 5.3             | 6.1          | 3.7          | 2.7          | 2.7          | 1.9          | .4           | .3           | .4           | .4           | .2                    | .1           |
| Wool and worsted  | 4.0             | 4.2          | 3.0          | 2.8          | 1.6          | 1.1          | .3           | .3           | .6           | 1.1          | .5                    | .3           |
| Knitting mills  | 6.8             | 4.6          | 3.4          | 3.1          | 2.8          | 2.0          | .2           | .1           | .3           | .9           | .1                    | .1           |
| Full-fashioned hosiery  | 4.7             | 3.3          | 3.7          | 2.1          | 3.3          | 1.7          | .1           | .1           | .1           | .2           | .2                    | .1           |
| Seamless hosiery  | 8.8             | 5.2          | 2.8          | 2.9          | 2.2          | 1.5          | .1           | (9)          | .4           | 1.4          | .1                    | (4)          |
| Knit underwear  | 8.6             | 6.6          | 3.1          | 4.0          | 2.6          | 3.3          | .2           | .2           | .2           | .5           | .1                    | (4)          |
| Dyeing and finishing textiles                                 | 5.2             | 3.3          | 2.4          | 2.7          | 1.6          | 1.3          | .3           | .2           | .2           | 1.0          | .3                    | .2           |
| Carpets, rugs, other floor coverings                          | 2.1             | 1.8          | 2.4          | 1.4          | 1.8          | .7           | .1           | .1           | .3           | .4           | .2                    | .1           |
| Apparel and other finished textile products                   | 5.9             | 4.5          | 4.1          | 3.7          | 3.4          | 2.4          | .2           | .2           | .4           | 1.1          | .1                    | (4)          |
| Men's and boys' suits and coats                               | 4.7             | 4.0          | 3.5          | 3.3          | 2.5          | 1.6          | .1           | .1           | .8           | 1.5          | .1                    | .1           |
| Men's and boys' furnishings and work clothing                 | 6.8             | 5.0          | 4.4          | 3.5          | 3.8          | 2.7          | .2           | .1           | .3           | .7           | .1                    | (4)          |
| Lumber and wood products (except furniture)                   | 6.6             | 5.9          | 6.1          | 4.3          | 4.7          | 3.2          | .4           | .3           | .6           | .6           | .4                    | .2           |
| Logging camps and contractors                                 | 9.0             | 8.5          | 8.2          | 6.9          | 6.9          | 5.4          | .3           | .5           | .6           | .7           | .4                    | .3           |
| Sawmills and planing mills                                    | 6.2             | 5.8          | 6.2          | 4.4          | 4.9          | 3.3          | .3           | .2           | .7           | .7           | .3                    | .2           |
| Millwork, plywood, and prefabricated structural wood products | 5.2             | 4.1          | 4.7          | 3.5          | 3.6          | 2.5          | .4           | .3           | .1           | .4           | .6                    | .3           |
| Furniture and fixtures  | 9.4             | 6.2          | 6.7          | 4.3          | 4.8          | 3.3          | .7           | .4           | .8           | .5           | .4                    | .1           |
| Household furniture   | 9.6             | 6.3          | 6.3          | 4.8          | 4.9          | 3.6          | .7           | .5           | .3           | .6           | .4                    | .1           |
| Other furniture and fixtures                                  | 8.8             | 6.1          | 7.8          | 3.2          | 4.6          | 2.6          | .5           | .2           | 2.1          | .3           | .6                    | .1           |
| Paper and allied products                                     | 5.3             | 4.0          | 3.8          | 2.2          | 2.8          | 1.5          | .4           | .2           | .3           | .3           | .3                    | .2           |
| Pulp, paper, and paperboard mills                             | 3.4             | 3.1          | 2.8          | 1.8          | 2.0          | 1.0          | .2           | .2           | .3           | .4           | .3                    | .2           |
| Paperboard containers and boxes                               | 8.0             | 5.1          | 4.9          | 2.8          | 3.7          | 2.0          | .6           | .4           | .2           | .3           | .4                    | .1           |
| Chemicals and allied products                                 | 3.9             | 2.8          | 2.2          | 1.4          | 1.4          | .8           | .2           | .1           | .3           | .4           | .3                    | .1           |
| Industrial inorganic chemicals                                | 4.6             | 2.7          | 3.0          | 1.6          | 2.1          | .8           | .4           | .2           | .1           | .4           | .2                    | .1           |
| Industrial organic chemicals                                  | 2.7             | 2.3          | 1.8          | 1.0          | 1.0          | .6           | .2           | .1           | .3           | .1           | .3                    | .2           |
| Synthetic fibers  | 2.2             | 2.1          | 1.5          | .9           | .8           | .4           | (9)          | .1           | .4           | .2           | .3                    | .1           |
| Drugs and medicines   | 2.3             | 2.3          | 1.7          | 1.3          | .9           | .6           | .1           | .1           | .3           | .5           | .4                    | .1           |
| Paints, pigments, and fillers                                 | 3.4             | 2.9          | 3.0          | 1.4          | 2.2          | .9           | .3           | .3           | .2           | .2           | .3                    | (4)          |
| Products of petroleum and coal                                | 1.5             | 1.7          | 1.4          | .9           | .8           | .5           | .1           | .1           | .1           | .1           | .4                    | .2           |
| Petroleum refining  | 1.1             | 1.0          | .9           | .6           | .5           | .3           | (9)          | (9)          | (9)          | (9)          | .1                    | .2           |
| Rubber products   | 6.1             | 4.8          | 3.6          | 2.5          | 2.9          | 1.8          | .2           | .2           | .3           | .3           | .2                    |              |
| Tires and inner tubes   | 3.3             | 3.5          | 2.1          | 1.5          | 1.7          | .9           | .1           | .1           | .3           | .2           |                       |              |
| Rubber footwear   | 9.3             | 6.7          | 5.0          | 2.4          | 4.4          | 2.1          | .2           | .1           | .1           | .1           | .3                    |              |
| Other rubber products   | 8.1             | 5.7          | 4.7          | 3.3          | 3.7          | 2.6          | .4           | .3           | .3           | .3           | .3                    |              |
| Leather and leather products                                  | 5.2             | 4.7          | 4.2          | 2.9          | 3.1          | 1.9          | .3           | .2           | .6           | .6           | .2                    |              |
| Leather   | 5.2             | 4.1          | 3.3          | 2.7          | 2.3          | 1.3          | .3           | .2           | .4           | 1.0          | .3                    |              |
| Footwear (except rubber)                                      | 5.3             | 4.6          | 4.4          | 3.3          | 3.3          | 2.2          | .2           | .2           | .7           | .6           | .2                    |              |
| Stone, clay, and glass products                               | 5.2             | 4.6          | 3.5          | 2.3          | 2.5          | 1.5          | .3           | .2           | .4           | .4           | .3                    |              |
| Glass and glass products                                      | 5.5             | 5.5          | 4.1          | 2.9          | 2.3          | 1.5          | .3           | .2           | 1.1          | .9           | .4                    |              |
| Cement, hydraulic   | 2.7             | 2.6          | 2.8          | 1.9          | 2.0          | 1.3          | .3           | .3           | .1           | .1           | .4                    |              |
| Structural clay products                                      | 5.4             | 4.8          | 4.1          | 2.6          | 3.6          | 2.0          | .3           | .3           | (9)          | .2           | .2                    |              |
| Pottery and related products                                  | 5.3             | 4.0          | 3.3          | 1.9          | 2.6          | 1.5          | .3           | .2           | .2           | .2           | .2                    | (4)          |
| Primary metal industries                                      | 5.5             | 3.9          | 3.3          | 2.2          | 2.3          | 1.4          | .3           | .3           | .3           | .3           | .4                    | .2           |
| Blast furnaces, steel works, and rolling mills                | 3.4             | 2.6          | 2.8          | 1.6          | 1.9          | 1.0          | .2           | .1           | .2           | .2           | .5                    | .3           |
| Iron and steel foundries                                      | 9.7             | 6.5          | 4.9          | 3.2          | 3.5          | 2.1          | .7           | .5           | .4           | .4           | .3                    | .2           |
| Gray-iron foundries   | 8.6             | 6.3          | 4.9          | 3.3          | 3.2          | 2.0          | .8           | .6           | .5           | .5           | .4                    | .2           |
| Malleable-iron foundries                                      | 11.3            | 6.0          | 6.0          | 3.7          | 5.0          | 2.8          | .7           | .6           | (9)          | .2           | .3                    | .1           |
| Steel foundries   | 10.2            | 7.0          | 3.9          | 2.8          | 2.8          | 1.8          | .6           | .4           | .4           | .4           | .1                    | .2           |
| Primary smelting and refining of nonferrous metals:           |                 |              |              |              |              |              |              |              |              |              |                       |              |
| Primary smelting and refining of copper, lead, and zinc       | 3.6             | 2.4          | 2.7          | 2.1          | 1.7          | 1.3          | .4           | .2           | .2           | .5           | .4                    | .1           |
| Rolling, drawing, and alloying of nonferrous metals:          |                 |              |              |              |              |              |              |              |              |              |                       |              |
| Rolling, drawing, and alloying of copper                      | 4.7             | 3.3          | 2.6          | 1.3          | 1.8          | .8           | .2           | .2           | .1           | .2           | .5                    | .1           |
| Nonferrous foundries  | 9.2             | 5.5          | 4.4          | 3.7          | 3.0          | 2.5          | .6           | .6           | .5           | .4           | .3                    | .2           |
| Other primary metal industries:                               |                 |              |              |              |              |              |              |              |              |              |                       |              |
| Iron and steel forgings                                       | 8.0             | 4.0          | 3.3          | 2.2          | 2.7          | 1.8          | .3           | .2           | (9)          | .1           | .3                    | .1           |

See footnotes at end of table.

TABLE B-2: Monthly Labor Turn-Over Rates (Per 100 Employees) in Selected Groups and Industries<sup>1</sup>—Continued

| Industry group and industry  | Total accession |              | Separation   |              |              |              |              |              |              |              |                       |              |
|--|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------------|--------------|
|  |                 |              | Total        |              | Quit         |              | Discharge    |              | Lay-off      |              | Misc., incl. military |              |
|  | Aug.<br>1950    | July<br>1950 | Aug.<br>1950 | July<br>1950 | Aug.<br>1950 | July<br>1950 | Aug.<br>1950 | July<br>1950 | Aug.<br>1950 | July<br>1950 | Aug.<br>1950          | July<br>1950 |
| <b>Manufacturing—Continued</b>   |                 |              |              |              |              |              |              |              |              |              |                       |              |
| Fabricated metal products (except ordnance, machinery, and transportation equipment) | 7.7             | 5.7          | 4.6          | 3.4          | 3.2          | 2.2          | 0.5          | 0.4          | 0.5          | 0.6          | 0.4                   | 0.2          |
| Cutlery, hand tools, and hardware  | 6.4             | 3.4          | 3.9          | 2.4          | 3.0          | 1.8          | .3           | .2           | .3           | .3           | .3                    | .1           |
| Cutlery and edge tools   | 6.7             | 4.2          | 2.4          | 1.8          | 1.9          | 1.3          | .2           | .2           | .1           | .2           | .2                    | .1           |
| Hand tools   | 6.9             | 2.6          | 3.3          | 1.5          | 2.2          | .8           | .5           | .3           | .5           | .3           | .3                    | .1           |
| Hardware   | 6.0             | 3.6          | 4.8          | 3.2          | 3.8          | 2.4          | .4           | .3           | .3           | .4           | .3                    | .1           |
| Household apparatus (except electric) and plumbers' supplies                         | 8.7             | 6.7          | 4.5          | 3.7          | 3.2          | 2.4          | .7           | .6           | .2           | .5           | .4                    | .2           |
| Sanitary ware and plumbers' supplies   | 7.8             | 6.0          | 3.6          | 3.0          | 2.7          | 2.2          | .4           | .5           | .1           | .1           | .4                    | .2           |
| Oil burners, nonelectric heating and cooking apparatus, not elsewhere classified     | 9.7             | 7.5          | 5.2          | 4.4          | 3.7          | 2.6          | .9           | .6           | .2           | 1.0          | .4                    | .2           |
| Fabricated structural metal products   | 7.0             | 6.1          | 4.8          | 2.9          | 2.8          | 1.7          | .5           | .3           | 1.0          | .7           | .5                    | .2           |
| Metal stamping, coining, and engraving   | 8.8             | 6.9          | 6.1          | 4.1          | 4.5          | 3.0          | .6           | .4           | .7           | .5           | .3                    | .2           |
| Machinery (except electrical)  | 5.9             | 3.8          | 3.3          | 2.2          | 2.2          | 1.3          | .3           | .2           | .5           | .5           | .3                    | .2           |
| Engines and turbines   | 7.6             | 4.3          | 3.2          | 3.6          | 1.7          | 1.2          | .2           | .3           | 2.0          | .4           | .3                    | .3           |
| Agricultural machinery and tractors  | (*)             | 3.0          | (*)          | 2.7          | (*)          | 1.6          | (*)          | (*)          | 5            | (*)          | 4                     | 3            |
| Construction and mining machinery  | 6.3             | 4.4          | 3.4          | 2.7          | 2.3          | 1.6          | .4           | .3           | .6           | .4           | .3                    | .2           |
| Metalworking machinery   | 8.8             | 4.8          | 3.7          | 2.2          | 2.7          | 1.5          | .5           | .3           | .2           | .3           | .2                    | .1           |
| Machinists' tools  | 10.1            | 4.8          | 5.3          | 1.8          | 2.6          | 1.3          | .4           | .2           | .1           | .2           | .2                    | .1           |
| Metalworking machinery (except machine tools)  | 4.4             | 3.9          | 2.7          | 1.9          | 2.2          | 1.4          | .2           | .3           | (*)          | 1            | .3                    | .1           |
| Machine-tool accessories   | 10.2            | 6.1          | 5.4          | 4.2          | 3.6          | 2.4          | 1.1          | .5           | .5           | 1.2          | .2                    | .1           |
| Special-industry machinery (except metalworking machinery)                           | 5.4             | 3.7          | 2.9          | 2.1          | 1.9          | 1.2          | .3           | .3           | .4           | .5           | .3                    | .1           |
| General industrial machinery   | 6.2             | 4.1          | 2.9          | 1.8          | 2.0          | .9           | .3           | .2           | .4           | .5           | .2                    | .2           |
| Office and store machines and devices  | 4.7             | 2.3          | 1.9          | 1.3          | 1.4          | .8           | .2           | .2           | .1           | .2           | .2                    | .1           |
| Service-industry and household machines  | 4.1             | 2.8          | 4.1          | 2.4          | 2.0          | 1.3          | .2           | .1           | 1.6          | .8           | .3                    | .2           |
| Miscellaneous machinery parts  | 6.3             | 4.4          | 3.2          | 2.0          | 2.0          | 1.3          | .5           | .3           | 3            | .2           | .4                    | .2           |
| Electrical machinery   | 6.6             | 4.4          | 3.1          | 2.1          | 2.2          | 1.3          | .3           | .2           | .3           | .5           | .3                    | .1           |
| Electrical generating, transmission, distribution, and industrial apparatus          | 4.6             | 3.1          | 2.4          | 1.6          | 1.7          | 1.1          | .2           | .1           | .2           | .2           | .3                    | .2           |
| Communication equipment  | 8.3             | 5.7          | 3.4          | 2.4          | 2.5          | 1.4          | .4           | .3           | .2           | .6           | .3                    | .1           |
| Radios, phonographs, television sets, and equipment                                  | 12.9            | 8.8          | 3.9          | 2.7          | 2.7          | 1.5          | .5           | .5           | .3           | .6           | .4                    | .1           |
| Telephone and telegraph equipment  | 1.5             | .7           | 1.5          | 1.6          | 1.0          | .5           | .1           | .1           | .2           | .8           | .2                    | .2           |
| Electrical appliances, lamps, and miscellaneous products                             | 7.6             | 4.2          | 3.7          | 3.0          | 2.7          | 1.6          | .3           | .3           | .4           | 1.0          | .3                    | .1           |
| Transportation equipment   | 10.7            | 7.0          | 7.5          | 4.4          | 4.9          | 2.6          | .6           | .4           | 1.6          | 1.2          | .4                    | .2           |
| Automobiles  | 9.8             | 6.4          | 7.6          | 4.2          | 6.0          | 3.2          | .7           | .4           | .5           | .4           | .4                    | .2           |
| Aircraft and parts   | 8.6             | 5.0          | 3.0          | 2.2          | 2.1          | 1.4          | .2           | .2           | .3           | .4           | .4                    | .2           |
| Aircraft   | 9.3             | 5.3          | 3.6          | 2.2          | 2.5          | 1.5          | .2           | .1           | .4           | .4           | .5                    | .2           |
| Aircraft engines and parts   | 6.4             | 3.8          | 1.9          | 1.0          | 1.3          | .7           | .2           | .1           | .1           | .1           | .3                    | .1           |
| Aircraft propellers and parts  | 4.3             | 2.2          | 1.0          | .7           | .5           | .1           | .1           | (*)          | (*)          | .2           | .2                    | .1           |
| Other aircraft parts and equipment   | 8.4             | 4.5          | 2.7          | 1.9          | 1.8          | 1.2          | .6           | .3           | .1           | .3           | .2                    | .1           |
| Ship and boat building and repairing   | (*)             | 20.5         | (*)          | 13.8         | (*)          | 2.0          | (*)          | .7           | (*)          | 11.0         | (*)                   | .1           |
| Railroad equipment   | 8.6             | 7.0          | 6.5          | 4.6          | 2.1          | .8           | .1           | .1           | 4.0          | 3.4          | .3                    | .3           |
| Locomotives and parts  | 8.0             | 5.4          | 1.9          | 1.1          | 1.2          | .5           | .1           | (*)          | .5           | .4           | .1                    | .2           |
| Railroad and streetcars  | 9.2             | 8.6          | 10.6         | 8.2          | 2.6          | 1.1          | .2           | .1           | 7.2          | 6.6          | .6                    | .4           |
| Other transportation equipment   | 5.3             | 2.6          | 3.1          | 2.0          | 2.1          | 1.6          | .4           | (*)          | .5           | .3           | .1                    | .1           |
| Instruments and related products   | 4.3             | 2.5          | 2.4          | 1.5          | 1.5          | 1.0          | .1           | .1           | .5           | .3           | .3                    | .1           |
| Photographic apparatus   | (*)             | 2.4          | (*)          | 1.7          | (*)          | .4           | (*)          | (*)          | (*)          | .2           | (*)                   | .1           |
| Watches and clocks   | 4.9             | 2.3          | 2.3          | 1.4          | 1.8          | 1.2          | .2           | (*)          | (*)          | .1           | .3                    | .1           |
| Professional and scientific instruments  | 5.4             | 2.8          | 2.3          | 1.8          | 1.6          | 1.2          | .2           | .1           | .2           | .3           | .3                    | .2           |
| Miscellaneous manufacturing industries   | 8.7             | 5.5          | 4.2          | 2.7          | 2.9          | 1.8          | .4           | .2           | .2           | .6           | .3                    | .1           |
| Jewelry, silverware, and plated ware   | 8.8             | 3.4          | 3.8          | 2.0          | 3.1          | 1.3          | .1           | .1           | .3           | .5           | .3                    | .1           |
| <b>Nonmanufacturing</b>  |                 |              |              |              |              |              |              |              |              |              |                       |              |
| Metal mining   | 5.7             | 4.2          | 4.9          | 3.8          | 3.8          | 2.7          | .4           | .5           | .2           | .3           | .5                    | .3           |
| Iron   | 2.7             | 2.3          | 2.4          | 1.6          | 1.6          | .9           | .1           | (*)          | .2           | .3           | .5                    | .4           |
| Copper   | 6.9             | 5.3          | 7.1          | 5.3          | 6.1          | 4.6          | .1           | .1           | .2           | .2           | .7                    | .4           |
| Lead and zinc  | 4.4             | 4.4          | 3.8          | 3.8          | 3.0          | 2.7          | .3           | .4           | .1           | .5           | .4                    | .2           |
| Anthracite mining  | 2.3             | 1.4          | 1.9          | 1.4          | 1.4          | 1.2          | (*)          | .1           | .3           | .4           | .2                    | .2           |
| Bituminous-coal mining   | 2.5             | 1.8          | 2.6          | 2.4          | 1.8          | 1.3          | .1           | .1           | .5           | .8           | .2                    | .2           |
| Communication:   | (*)             | 2.1          | (*)          | 1.5          | (*)          | 1.2          | (*)          | .1           | (*)          | .1           | (*)                   | .1           |
| Telephone  | (*)             | 2.7          | (*)          | 1.3          | (*)          | .8           | (*)          | (*)          | (*)          | .3           | (*)                   | .2           |
| Telegraph  |                 |              |              |              |              |              |              |              |              |              |                       |              |

<sup>1</sup> See footnote 1, table B-1. Data for the current month are subject to revision without notation; revised figures for earlier months will be indicated by footnotes.<sup>2</sup> See footnote 2, table A-2.  
<sup>3</sup> See footnote 3, table A-2. Printing, publishing, and allied industries are excluded.<sup>4</sup> Less than 0.05.<sup>5</sup> Not available.

## C: Earnings and Hours

TABLE C-1: Hours and Gross Earnings of Production Workers or Nonsupervisory Employees<sup>1</sup>

| Year and month                             | Mining                    |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           | Coal                      |                        |                           |                           |                        |                           |  |                    |                                |                                  |                    |                                |      |
|--|---------------------------|------------------------|---------------------------|---------------------------|------------------------|---------------------------|---------------------------|------------------------|---------------------------|---------------------------|------------------------|---------------------------|---------------------------|------------------------|---------------------------|---------------------------|------------------------|---------------------------|--|--------------------|--------------------------------|----------------------------------|--------------------|--------------------------------|------|
|  | Metal                     |                        |                           |                           |                        |                           | Anthracite                |                        |                           |                           |                        |                           | Bituminous                |                        |                           |                           |                        |                           | Crude petroleum and natural gas production |                    |                                | Nonmetallic mining and quarrying |                    |                                |      |
|  | Total: Metal              |                        |                           | Iron                      |                        |                           | Copper                    |                        |                           | Lead and zinc             |                        |                           | Anthracite                |                        |                           | Bituminous                |                        |                           | Total: Contract construction               |                    |                                | Contract construction            |                    |                                |      |
|  | Avg.<br>wkly.<br>earnings | Avg.<br>wkly.<br>hours | Avg.<br>hrly.<br>earnings | Total: Nonbuilding construction            | Highway and street | Other nonbuilding construction | Total: Nonbuilding construction  | Highway and street | Other nonbuilding construction |      |
| 1948: Average.....                         | \$60.80                   | 42.4                   | \$1,434                   | \$58.32                   | 41.3                   | \$1,412                   | \$65.81                   | 45.2                   | \$1,456                   | \$61.37                   | 41.3                   | \$1,486                   | \$66.57                   | 36.8                   | \$1,809                   | \$72.12                   | 38.0                   | \$1,808                   | 40.0                                       | 42.4               | 38.0                           | 40.0                             | 38.0               | 38.0                           |      |
| 1949: Average.....                         | 61.55                     | 40.9                   | 1,305                     | 59.06                     | 39.8                   | 1,484                     | 63.96                     | 42.3                   | 1,512                     | 64.79                     | 41.4                   | 1,565                     | 56.78                     | 30.2                   | 1,880                     | 53.28                     | 32.6                   | 1,941                     | 32.6                                       | 30.2               | 32.6                           | 31.9                             | 31.9               | 31.9                           |      |
| 1949: August.....                          | 58.18                     | 39.5                   | 1,473                     | 57.32                     | 39.1                   | 1,466                     | 58.20                     | 38.0                   | 1,479                     | 59.87                     | 40.1                   | 1,493                     | 42.80                     | 23.4                   | 1,829                     | 49.51                     | 26.1                   | 1,897                     | 26.1                                       | 23.4               | 26.1                           | 27.0                             | 27.0               | 27.0                           |      |
| September.....                             | 58.96                     | 39.6                   | 1,489                     | 59.15                     | 39.3                   | 1,505                     | 58.27                     | 39.4                   | 1,479                     | 60.34                     | 40.2                   | 1,501                     | 59.24                     | 31.8                   | 1,863                     | 52.46                     | 27.0                   | 1,943                     | 31.8                                       | 31.8               | 31.8                           | 31.9                             | 31.9               | 31.9                           |      |
| October.....                               | 59.63                     | 40.1                   | 1,487                     | 54.46                     | 35.5                   | 1,534                     | 59.20                     | 40.3                   | 1,469                     | 61.95                     | 40.7                   | 1,522                     | 75.81                     | 39.2                   | 1,934                     | 63.10                     | 31.9                   | 1,978                     | 31.9                                       | 39.2               | 31.9                           | 31.9                             | 31.9               | 31.9                           |      |
| November.....                              | 52.73                     | 35.7                   | 1,477                     | 38.78                     | 26.6                   | 1,458                     | 59.70                     | 40.2                   | 1,485                     | 61.99                     | 40.7                   | 1,523                     | 67.94                     | 35.7                   | 1,903                     | 68.17                     | 34.1                   | 1,999                     | 34.1                                       | 35.7               | 34.1                           | 34.1                             | 34.1               | 34.1                           |      |
| December.....                              | 62.32                     | 41.6                   | 1,498                     | 58.85                     | 40.2                   | 1,464                     | 64.26                     | 42.5                   | 1,512                     | 67.68                     | 43.3                   | 1,563                     | 42.22                     | 22.0                   | 1,919                     | 48.74                     | 25.4                   | 1,919                     | 25.4                                       | 22.0               | 25.4                           | 25.4                             | 25.4               | 25.4                           |      |
| 1950: January.....                         | 63.71                     | 42.0                   | 1,517                     | 58.68                     | 39.7                   | 1,478                     | 71.96                     | 45.4                   | 1,585                     | 65.18                     | 42.3                   | 1,541                     | 44.60                     | 23.9                   | 1,866                     | 47.36                     | 24.5                   | 1,933                     | 24.5                                       | 23.9               | 24.5                           | 24.5                             | 24.5               | 24.5                           |      |
| February.....                              | 62.81                     | 41.9                   | 1,499                     | 59.62                     | 40.5                   | 1,472                     | 68.49                     | 44.3                   | 1,546                     | 63.38                     | 41.7                   | 1,520                     | 40.23                     | 20.6                   | 1,953                     | 49.83                     | 25.4                   | 1,962                     | 25.4                                       | 20.6               | 25.4                           | 20.6                             | 20.6               | 20.6                           |      |
| March.....                                 | 61.81                     | 41.1                   | 1,504                     | 57.57                     | 39.8                   | 1,480                     | 68.58                     | 44.3                   | 1,546                     | 63.45                     | 41.8                   | 1,518                     | 80.01                     | 41.5                   | 1,928                     | 78.75                     | 39.2                   | 2,009                     | 39.2                                       | 41.5               | 39.2                           | 39.2                             | 39.2               | 39.2                           |      |
| April.....                                 | 62.90                     | 41.6                   | 1,512                     | 59.62                     | 40.2                   | 1,483                     | 68.13                     | 43.9                   | 1,552                     | 63.55                     | 41.4                   | 1,535                     | 57.25                     | 29.0                   | 1,974                     | 72.79                     | 36.0                   | 2,022                     | 36.0                                       | 29.0               | 2,022                          | 29.0                             | 29.0               | 29.0                           |      |
| May.....                                   | 63.11                     | 41.6                   | 1,517                     | 59.33                     | 39.9                   | 1,487                     | 69.42                     | 44.5                   | 1,560                     | 63.71                     | 41.4                   | 1,539                     | 68.81                     | 34.7                   | 1,983                     | 68.37                     | 34.1                   | 2,005                     | 34.1                                       | 34.7               | 2,005                          | 34.1                             | 34.7               | 34.1                           |      |
| June.....                                  | 63.40                     | 41.6                   | 1,524                     | 60.75                     | 40.8                   | 1,489                     | 69.55                     | 44.3                   | 1,570                     | 63.38                     | 40.5                   | 1,565                     | 64.94                     | 32.6                   | 1,992                     | 69.92                     | 34.7                   | 2,015                     | 34.7                                       | 32.6               | 2,015                          | 34.7                             | 32.6               | 34.7                           |      |
| July.....                                  | 63.95                     | 41.5                   | 1,541                     | 62.37                     | 41.5                   | 1,503                     | 70.27                     | 44.0                   | 1,597                     | 63.04                     | 39.8                   | 1,584                     | 68.13                     | 34.6                   | 1,969                     | 68.75                     | 34.1                   | 2,016                     | 34.1                                       | 34.6               | 2,016                          | 34.1                             | 34.6               | 34.1                           |      |
| August.....                                | 65.16                     | 42.2                   | 1,544                     | 61.15                     | 40.9                   | 1,495                     | 73.72                     | 45.9                   | 1,606                     | 64.81                     | 41.2                   | 1,573                     | 65.41                     | 33.1                   | 1,976                     | 69.83                     | 34.9                   | 2,001                     | 34.9                                       | 33.1               | 2,001                          | 34.9                             | 33.1               | 34.9                           |      |
| Mining—Continued                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |  |                    |                                |                                  |                    |                                |      |
| Crude petroleum and natural gas production |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |  |                    |                                |                                  |                    |                                |      |
| Petroleum and natural gas production       |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |  |                    |                                |                                  |                    |                                |      |
| 1948: Average.....                         | \$66.68                   | 40.0                   | \$1,667                   | \$55.31                   | 44.5                   | \$1,243                   | \$66.25                   | 38.1                   | \$1,790                   | \$70.81                   | 37.8                   | 1,874                     | 70.44                     | 40.9                   | 1,720                     | 65.65                     | 41.5                   | 1,883                     | 68.67                                      | 40.0               | 1,716                          | 68.67                            | 40.0               | 1,820                          | 40.0 |
| 1949: Average.....                         | 71.48                     | 40.2                   | 1,778                     | 56.38                     | 43.3                   | 1,302                     | 70.81                     | 37.8                   | 1,874                     | 70.44                     | 40.9                   | 1,720                     | 65.65                     | 41.5                   | 1,883                     | 68.67                     | 40.0                   | 1,820                     | 68.67                                      | 40.0               | 1,820                          | 68.67                            | 40.0               | 1,820                          | 40.0 |
| 1949: August.....                          | 70.74                     | 40.1                   | 1,764                     | 57.86                     | 44.3                   | 1,306                     | 72.13                     | 37.8                   | 1,862                     | 72.56                     | 42.4                   | 1,712                     | 68.55                     | 43.4                   | 1,758                     | 75.69                     | 41.5                   | 1,822                     | 75.69                                      | 41.5               | 1,822                          | 75.69                            | 41.5               | 1,822                          | 41.5 |
| September.....                             | 72.40                     | 40.4                   | 1,792                     | 56.68                     | 43.2                   | 1,312                     | 70.73                     | 37.8                   | 1,874                     | 70.82                     | 40.9                   | 1,730                     | 69.75                     | 41.6                   | 1,607                     | 73.81                     | 40.5                   | 1,823                     | 73.81                                      | 40.5               | 1,823                          | 73.81                            | 40.5               | 1,823                          | 40.5 |
| October.....                               | 73.87                     | 41.2                   | 1,793                     | 57.77                     | 44.2                   | 1,307                     | 72.06                     | 38.3                   | 1,881                     | 72.71                     | 41.8                   | 1,741                     | 68.37                     | 42.3                   | 1,617                     | 75.83                     | 41.7                   | 1,831                     | 75.83                                      | 41.7               | 1,831                          | 75.83                            | 41.7               | 1,831                          | 41.7 |
| November.....                              | 71.20                     | 40.0                   | 1,780                     | 55.77                     | 42.7                   | 1,306                     | 70.12                     | 37.1                   | 1,891                     | 69.90                     | 39.9                   | 1,754                     | 65.30                     | 40.6                   | 1,610                     | 72.98                     | 39.4                   | 1,862                     | 72.98                                      | 39.4               | 1,862                          | 72.98                            | 39.4               | 1,862                          | 39.4 |
| December.....                              | 71.52                     | 40.0                   | 1,788                     | 55.68                     | 42.4                   | 1,299                     | 69.75                     | 36.4                   | 1,917                     | 68.15                     | 38.3                   | 1,777                     | 60.75                     | 37.0                   | 1,644                     | 72.76                     | 39.2                   | 1,865                     | 72.76                                      | 39.2               | 1,865                          | 72.76                            | 39.2               | 1,865                          | 39.2 |
| 1950: January.....                         | 76.24                     | 41.8                   | 1,824                     | 51.36                     | 41.4                   | 1,298                     | 68.61                     | 35.2                   | 1,932                     | 65.56                     | 37.4                   | 1,753                     | 58.43                     | 35.5                   | 1,646                     | 69.57                     | 35.5                   | 1,807                     | 69.57                                      | 35.5               | 1,807                          | 69.57                            | 35.5               | 1,807                          | 35.5 |
| February.....                              | 71.88                     | 40.0                   | 1,797                     | 54.36                     | 41.4                   | 1,313                     | 66.89                     | 34.3                   | 1,950                     | 66.94                     | 37.8                   | 1,771                     | 61.96                     | 37.3                   | 1,661                     | 69.50                     | 38.0                   | 1,829                     | 69.50                                      | 38.0               | 1,829                          | 69.50                            | 38.0               | 1,829                          | 38.0 |
| March.....                                 | 70.88                     | 38.8                   | 1,781                     | 55.37                     | 41.6                   | 1,331                     | 68.59                     | 35.1                   | 1,954                     | 68.34                     | 38.7                   | 1,766                     | 63.68                     | 38.2                   | 1,667                     | 70.76                     | 38.9                   | 1,819                     | 70.76                                      | 38.9               | 1,819                          | 70.76                            | 38.9               | 1,819                          | 38.9 |
| April.....                                 | 74.41                     | 41.2                   | 1,806                     | 58.03                     | 45.6                   | 1,331                     | 70.93                     | 36.6                   | 1,938                     | 71.41                     | 40.9                   | 1,746                     | 66.54                     | 40.7                   | 1,635                     | 74.33                     | 41.0                   | 1,813                     | 74.33                                      | 41.0               | 1,813                          | 74.33                            | 41.0               | 1,813                          | 41.0 |
| May.....                                   | 70.88                     | 40.0                   | 1,772                     | 59.45                     | 44.4                   | 1,339                     | 72.74                     | 37.3                   | 1,930                     | 71.71                     | 40.7                   | 1,762                     | 66.06                     | 41.0                   | 1,660                     | 74.20                     | 40.5                   | 1,832                     | 74.20                                      | 40.5               | 1,832                          | 74.20                            | 40.5               | 1,832                          | 40.5 |
| June.....                                  | 71.08                     | 40.0                   | 1,777                     | 60.39                     | 44.9                   | 1,345                     | 73.76                     | 38.0                   | 1,941                     | 73.75                     | 42.0                   | 1,756                     | 66.86                     | 42.6                   | 1,640                     | 76.84                     | 41.6                   | 1,847                     | 76.84                                      | 41.6               | 1,847                          | 76.84                            | 41.6               | 1,847                          | 41.6 |
| July.....                                  | 75.84                     | 41.9                   | 1,810                     | 60.83                     | 44.5                   | 1,367                     | 73.91                     | 37.9                   | 1,950                     | 73.92                     | 41.6                   | 1,777                     | 69.60                     | 41.7                   | 1,669                     | 77.27                     | 41.5                   | 1,862                     | 77.27                                      | 41.5               | 1,862                          | 77.27                            | 41.5               | 1,862                          | 41.5 |
| August.....                                | 71.18                     | 40.4                   | 1,762                     | 61.43                     | 45.1                   | 1,362                     | 75.92                     | 38.5                   | 1,972                     | 76.74                     | 42.8                   | 1,793                     | 74.78                     | 44.3                   | 1,688                     | 78.29                     | 41.6                   | 1,882                     | 78.29                                      | 41.6               | 1,882                          | 78.29                            | 41.6               | 1,882                          | 41.6 |
| Contract construction—Continued            |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |  |                    |                                |                                  |                    |                                |      |
| Building construction                      |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |  |                    |                                |                                  |                    |                                |      |
| Total: Building construction               |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |  |                    |                                |                                  |                    |                                |      |
| General contractors                        |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |  |                    |                                |                                  |                    |                                |      |
| Total: Special-trade contractors           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |                           |                        |                           |  |                    |                                |                                  |                    |                                |      |
| 1948: Average.....                         | \$68.85                   | 37.3                   | \$1,848                   | \$64.64                   | 36.6                   | \$1,766                   | \$73.87                   | 38.0                   | \$1,946                   | \$76.85                   | 39.2                   | \$1,960                   | \$69.77                   | 36.3                   | \$1,925                   | \$83.01                   | 39.8                   | \$2,084                   | \$83.01                                    | 39.8               | \$2,084                        | \$83.01                          | 39.8               | \$2,084                        | 39.8 |
| 1949: Average.....                         | 70.95                     | 36.7                   | 1,935                     | 67.16                     | 36.2                   | 1,855                     | 75.70                     | 37.2                   | 2,034                     | 78.60                     | 38.6                   | 2,037                     | 70.75                     | 35.7                   | 1,982                     | 86.57                     | 39.2                   | 2,211                     | 86.57                                      | 39.2               | 2,211                          | 86.57                            | 39.2               | 2,211                          | 39.2 |
| 1949: August.....                          | 71.95                     | 37.2                   | 1,932                     | 68.02                     | 36.8                   | 1,848                     | 76.99                     | 37.8                   | 2,036                     | 79.13                     | 38.9                   | 2,035                     | 72.51                     | 36.4                   | 1,992                     | 87.80                     | 39.7                   | 2,210                     | 87.80                                      | 39.7               | 2,210                          | 87.80                            | 39.7               | 2,210                          | 39.7 |
| September.....                             | 70.69                     | 36.5                   | 1,938                     | 66.64                     | 36.0                   | 1,854                     | 75.80                     | 37.8                   | 2,040                     | 79.15                     | 38.6                   | 2,032                     | 71.59                     | 35.7                   | 2,006                     | 85.80                     | 38.8                   | 2,210                     | 85.80                                      | 38.8               | 2,210                          | 85.80                            | 38.8               | 2,210                          | 38.8 |
| October.....                               | 71.80                     | 36.9                   | 1,944                     | 67.89                     | 36.5                   | 1,861                     | 76.51                     | 37.5                   | 2,041                     | 80.32                     | 38.9                   | 2,064                     | 71.41                     | 35.7                   | 2,001                     | 86.49                     | 39.0                   | 2,215                     | 86.49                                      | 39.0               | 2,215                          | 86.49                            | 39.0               | 2,215                          | 39.0 |
| November.....                              | 70.21                     | 36.1                   | 1,947                     | 66.34                     | 35.7                   | 1,856                     | 74.81                     | 36.1                   | 2,053                     | 78.12                     | 37.5                   | 2,065                     | 68.88                     | 34.8                   | 1,995                     | 85.28                     | 38.2                   | 2,233                     | 85.28                                      | 38.2               | 2,2                            |                                  |                    |                                |      |

TABLE C-1: Hours and Gross Earnings of Production Workers or Nonsupervisory Employees<sup>1</sup>—Con.

| Year and month                      | Contract construction—Continued     |                 |                            |                    |                 |                               |                        |                 |                                 |                    |                 |                                     |                              |                 |                     |                                |                     |         |
|-------------------------------------|-------------------------------------|-----------------|----------------------------|--------------------|-----------------|-------------------------------|------------------------|-----------------|---------------------------------|--------------------|-----------------|-------------------------------------|------------------------------|-----------------|---------------------|--------------------------------|---------------------|---------|
|                                     | Building construction—Continued     |                 |                            |                    |                 |                               |                        |                 |                                 |                    |                 |                                     |                              |                 |                     |                                |                     |         |
|                                     | Special-trade contractors—Continued |                 |                            |                    |                 |                               |                        |                 |                                 |                    |                 |                                     |                              |                 |                     |                                |                     |         |
|                                     | Other special-trade contractors     |                 |                            | Masonry            |                 |                               | Plastering and lathing |                 |                                 | Carpentry          |                 |                                     | Roofing and sheet-metal work |                 |                     | Excavation and foundation work |                     |         |
|                                     | Avg. wky. earnings                  | Avg. wky. hours | Avg. hrly. earnings        | Avg. wky. earnings | Avg. wky. hours | Avg. hrly. earnings           | Avg. wky. earnings     | Avg. wky. hours | Avg. hrly. earnings             | Avg. wky. earnings | Avg. wky. hours | Avg. hrly. earnings                 | Avg. wky. earnings           | Avg. wky. hours | Avg. hrly. earnings | Avg. wky. hours                | Avg. hrly. earnings |         |
| 1948: Average.....                  | \$69.65                             | 35.9            | \$1.888                    | \$69.61            | 35.4            | \$1.966                       | \$78.52                | 36.1            | \$2.175                         | \$67.98            | 37.9            | \$1.792                             | \$62.47                      | 36.5            | \$1.710             | \$60.44                        | 38.9                | \$1.700 |
| 1949: Average.....                  | 71.39                               | 36.1            | 1.979                      | 68.72              | 33.8            | 2.033                         | 80.39                  | 34.9            | 2.301                           | 67.14              | 36.6            | 1.837                               | 62.86                        | 33.7            | 1.750               | 69.66                          | 37.8                | 1.844   |
| 1949: August.....                   | 73.36                               | 36.9            | 1.988                      | 71.36              | 35.3            | 2.021                         | 83.13                  | 35.7            | 2.330                           | 66.45              | 36.3            | 1.831                               | 64.53                        | 36.7            | 1.789               | 72.51                          | 38.9                | 1.863   |
| September.....                      | 71.58                               | 36.1            | 1.982                      | 66.31              | 32.9            | 2.015                         | 84.39                  | 36.3            | 2.322                           | 67.22              | 35.8            | 1.876                               | 62.95                        | 36.0            | 1.750               | 70.58                          | 37.6                | 1.878   |
| October.....                        | 72.26                               | 36.5            | 1.978                      | 70.60              | 34.7            | 2.035                         | 81.11                  | 35.0            | 2.316                           | 68.46              | 36.1            | 1.896                               | 65.98                        | 37.1            | 1.777               | 72.22                          | 38.4                | 1.882   |
| November.....                       | 70.77                               | 35.7            | 1.984                      | 71.68              | 35.0            | 2.047                         | 74.70                  | 32.5            | 2.302                           | 66.57              | 36.3            | 1.915                               | 63.73                        | 35.9            | 1.775               | 66.46                          | 37.3                | 1.864   |
| December.....                       | 69.18                               | 34.6            | 2.001                      | 60.92              | 29.8            | 2.044                         | 77.50                  | 33.5            | 2.311                           | 67.89              | 35.9            | 1.889                               | 61.30                        | 34.1            | 1.799               | 66.80                          | 35.4                | 1.860   |
| 1950: January.....                  | 67.87                               | 33.4            | 2.032                      | 61.68              | 30.0            | 2.056                         | 75.57                  | 32.6            | 2.318                           | 66.51              | 35.7            | 1.863                               | 68.50                        | 32.3            | 1.811               | 65.57                          | 34.4                | 1.906   |
| February.....                       | 66.12                               | 31.6            | 2.029                      | 54.29              | 26.1            | 2.080                         | 75.44                  | 32.2            | 2.343                           | 58.66              | 32.0            | 1.833                               | 53.64                        | 30.0            | 1.788               | 62.62                          | 32.2                | 1.886   |
| March.....                          | 67.76                               | 33.1            | 2.047                      | 58.00              | 28.1            | 2.064                         | 81.09                  | 33.9            | 2.392                           | 63.49              | 34.3            | 1.851                               | 57.99                        | 31.9            | 1.818               | 67.69                          | 35.7                | 1.896   |
| April.....                          | 71.14                               | 35.0            | 2.041                      | 67.39              | 32.2            | 2.093                         | 83.66                  | 34.7            | 2.411                           | 64.79              | 36.5            | 1.775                               | 61.64                        | 34.3            | 1.767               | 73.59                          | 39.1                | 1.882   |
| May.....                            | 74.46                               | 36.2            | 2.057                      | 70.98              | 33.8            | 2.100                         | 88.86                  | 35.7            | 2.489                           | 65.58              | 36.7            | 1.787                               | 65.05                        | 35.9            | 1.812               | 74.10                          | 39.0                | 1.900   |
| June.....                           | 75.81                               | 36.8            | 2.060                      | 74.27              | 35.1            | 2.116                         | 90.65                  | 36.1            | 2.511                           | 67.40              | 37.3            | 1.807                               | 65.70                        | 36.6            | 1.795               | 74.74                          | 39.4                | 1.897   |
| July.....                           | 75.96                               | 36.8            | 2.064                      | 74.16              | 34.9            | 2.125                         | 89.39                  | 35.8            | 2.497                           | 67.88              | 38.9            | 1.745                               | 65.70                        | 36.4            | 1.805               | 73.11                          | 38.6                | 1.894   |
| August.....                         | 78.00                               | 37.7            | 2.069                      | 76.71              | 36.1            | 2.125                         | 90.97                  | 35.8            | 2.541                           | 69.50              | 39.2            | 1.773                               | 67.98                        | 37.6            | 1.808               | 77.79                          | 40.9                | 1.902   |
| Manufacturing                       |                                     |                 |                            |                    |                 |                               |                        |                 |                                 |                    |                 |                                     |                              |                 |                     |                                |                     |         |
| Total: Manufacturing                |                                     |                 | Durable goods <sup>2</sup> |                    |                 | Nondurable goods <sup>3</sup> |                        |                 | Total: Ordnance and accessories |                    |                 | Food and kindred products           |                              |                 |                     |                                |                     |         |
|                                     |                                     |                 |                            |                    |                 |                               |                        |                 |                                 |                    |                 | Total: Food and kindred products    |                              | Meat products   |                     |                                |                     |         |
| 1948: Average.....                  | \$54.14                             | 40.1            | \$1.350                    | \$57.11            | 40.5            | \$1.410                       | \$50.61                | 39.6            | \$1.278                         | \$57.20            | 41.6            | \$1.375                             | \$51.87                      | 42.0            | \$1.215             | \$58.37                        | 43.3                | \$1.348 |
| 1949: Average.....                  | 54.92                               | 39.2            | 1.401                      | 58.03              | 39.5            | 1.469                         | 51.41                  | 38.8            | 1.322                           | 58.70              | 40.0            | 1.409                               | 53.55                        | 41.5            | 1.291               | 57.44                          | 41.5                | 1.384   |
| 1949: August.....                   | 54.70                               | 39.1            | 1.399                      | 57.89              | 39.3            | 1.473                         | 51.31                  | 38.9            | 1.319                           | 58.44              | 39.7            | 1.472                               | 53.00                        | 41.7            | 1.271               | 58.87                          | 41.0                | 1.387   |
| September.....                      | 55.72                               | 39.6            | 1.407                      | 58.66              | 39.6            | 1.482                         | 52.59                  | 39.6            | 1.328                           | 59.76              | 40.3            | 1.483                               | 53.63                        | 41.8            | 1.283               | 57.78                          | 41.6                | 1.386   |
| October.....                        | 55.26                               | 39.7            | 1.392                      | 58.17              | 39.9            | 1.458                         | 52.47                  | 39.6            | 1.325                           | 59.97              | 40.3            | 1.488                               | 53.83                        | 41.7            | 1.291               | 56.51                          | 41.1                | 1.375   |
| November.....                       | 54.43                               | 39.1            | 1.392                      | 56.82              | 39.0            | 1.457                         | 52.07                  | 39.3            | 1.325                           | 58.93              | 40.2            | 1.488                               | 54.16                        | 41.6            | 1.302               | 60.23                          | 42.9                | 1.404   |
| December.....                       | 56.04                               | 39.8            | 1.401                      | 59.19              | 40.1            | 1.476                         | 52.69                  | 39.5            | 1.334                           | 60.85              | 40.7            | 1.495                               | 54.57                        | 41.4            | 1.318               | 60.98                          | 43.4                | 1.405   |
| 1950: January.....                  | 56.29                               | 39.7            | 1.418                      | 59.40              | 40.0            | 1.485                         | 52.91                  | 39.4            | 1.343                           | 60.70              | 40.2            | 1.510                               | 54.94                        | 41.4            | 1.327               | 60.19                          | 42.9                | 1.403   |
| February.....                       | 56.37                               | 39.7            | 1.420                      | 59.47              | 40.1            | 1.483                         | 53.06                  | 39.3            | 1.350                           | 60.89              | 40.4            | 1.507                               | 54.05                        | 40.7            | 1.328               | 55.99                          | 40.4                | 1.386   |
| March.....                          | 56.53                               | 39.7            | 1.424                      | 59.74              | 40.2            | 1.486                         | 53.04                  | 39.2            | 1.353                           | 61.31              | 40.6            | 1.510                               | 54.42                        | 40.7            | 1.337               | 56.14                          | 40.3                | 1.393   |
| April.....                          | 56.93                               | 39.7            | 1.434                      | 61.01              | 40.7            | 1.499                         | 52.17                  | 38.5            | 1.355                           | 61.43              | 40.6            | 1.513                               | 54.14                        | 40.4            | 1.340               | 55.64                          | 39.8                | 1.398   |
| May.....                            | 57.54                               | 39.9            | 1.442                      | 61.57              | 40.8            | 1.509                         | 52.83                  | 38.9            | 1.358                           | 61.66              | 40.7            | 1.515                               | 54.90                        | 41.0            | 1.339               | 57.10                          | 40.7                | 1.403   |
| June.....                           | 58.85                               | 40.5            | 1.453                      | 62.86              | 41.3            | 1.522                         | 53.92                  | 39.5            | 1.363                           | 61.90              | 40.7            | 1.521                               | 56.01                        | 41.8            | 1.340               | 58.11                          | 41.3                | 1.407   |
| July.....                           | 59.21                               | 40.5            | 1.462                      | 62.85              | 41.0            | 1.533                         | 54.69                  | 39.8            | 1.374                           | 64.52              | 42.2            | 1.529                               | 56.85                        | 42.3            | 1.344               | 59.40                          | 41.8                | 1.421   |
| August.....                         | 60.32                               | 41.2            | 1.461                      | 64.33              | 41.8            | 1.539                         | 55.65                  | 40.5            | 1.374                           | 64.80              | 41.7            | 1.554                               | 56.41                        | 42.0            | 1.343               | 58.41                          | 40.9                | 1.428   |
| Manufacturing—Continued             |                                     |                 |                            |                    |                 |                               |                        |                 |                                 |                    |                 |                                     |                              |                 |                     |                                |                     |         |
| Food and kindred products—Continued |                                     |                 |                            |                    |                 |                               |                        |                 |                                 |                    |                 |                                     |                              |                 |                     |                                |                     |         |
| Meat packing                        |                                     |                 | Dairy products             |                    |                 | Canning and preserving        |                        |                 | Grain-mill products             |                    |                 | Flour and other grain-mill products |                              |                 | Prepared feeds      |                                |                     |         |
| 1948: Average.....                  | \$59.15                             | 43.4            | \$1.363                    | \$52.26            | 45.4            | \$1.151                       | \$42.63                | 38.2            | \$1.116                         | \$54.53            | 44.3            | \$1.231                             | \$57.23                      | 46.3            | \$1.236             | \$51.01                        | 45.3                | \$1.128 |
| 1949: Average.....                  | 58.02                               | 41.5            | 1.398                      | 54.61              | 44.8            | 1.219                         | 43.77                  | 38.8            | 1.128                           | 56.94              | 43.8            | 1.300                               | 58.91                        | 44.7            | 1.318               | 54.98                          | 46.2                | 1.190   |
| 1949: August.....                   | 57.34                               | 40.9            | 1.402                      | 54.72              | 45.0            | 1.216                         | 44.27                  | 40.8            | 1.085                           | 57.46              | 44.0            | 1.306                               | 58.70                        | 44.3            | 1.325               | 55.75                          | 46.3                | 1.204   |
| September.....                      | 58.31                               | 41.5            | 1.405                      | 55.28              | 44.4            | 1.245                         | 44.79                  | 40.9            | 1.117                           | 58.92              | 44.3            | 1.330                               | 62.70                        | 45.2            | 1.369               | 56.57                          | 47.1                | 1.203   |
| October.....                        | 56.89                               | 40.9            | 1.391                      | 54.76              | 44.2            | 1.239                         | 45.92                  | 40.0            | 1.148                           | 58.56              | 44.4            | 1.319                               | 62.88                        | 46.0            | 1.367               | 55.67                          | 46.7                | 1.192   |
| November.....                       | 61.03                               | 42.8            | 1.426                      | 53.95              | 43.9            | 1.229                         | 41.20                  | 37.1            | 1.113                           | 55.81              | 42.8            | 1.304                               | 57.77                        | 43.4            | 1.331               | 54.49                          | 45.6                | 1.193   |
| December.....                       | 61.99                               | 43.5            | 1.425                      | 54.29              | 44.1            | 1.231                         | 43.26                  | 36.6            | 1.182                           | 56.76              | 43.1            | 1.317                               | 59.54                        | 44.1            | 1.350               | 54.10                          | 45.2                | 1.197   |
| 1950: January.....                  | 61.16                               | 43.1            | 1.419                      | 55.67              | 44.5            | 1.251                         | 45.15                  | 38.2            | 1.182                           | 56.46              | 42.9            | 1.316                               | 60.08                        | 44.3            | 1.355               | 53.22                          | 44.5                | 1.196   |
| February.....                       | 56.50                               | 40.3            | 1.402                      | 54.88              | 43.8            | 1.253                         | 44.94                  | 37.7            | 1.192                           | 55.48              | 42.0            | 1.321                               | 58.02                        | 43.2            | 1.343               | 51.37                          | 42.7                | 1.203   |
| March.....                          | 56.92                               | 40.4            | 1.409                      | 54.63              | 43.7            | 1.250                         | 44.79                  | 36.8            | 1.217                           | 56.83              | 42.6            | 1.334                               | 58.28                        | 43.3            | 1.346               | 54.86                          | 44.6                | 1.200   |
| April.....                          | 56.22                               | 39.7            | 1.416                      | 54.79              | 43.9            | 1.248                         | 44.32                  | 36.3            | 1.221                           | 55.82              | 42.1            | 1.321                               | 56.16                        | 42.1            | 1.334               | 56.06                          | 45.5                | 1.222   |
| May.....                            | 57.55                               | 40.5            | 1.421                      | 55.02              | 44.3            | 1.242                         | 45.01                  | 37.2            | 1.210                           | 56.35              | 42.4            | 1.329                               | 57.36                        | 42.9            | 1.337               | 55.72                          | 44.9                | 1.241   |
| June.....                           | 58.65                               | 41.1            | 1.427                      | 55.85              | 45.0            | 1.241                         | 45.94                  | 38.9            | 1.181                           | 58.47              | 43.9            | 1.332                               | 58.51                        | 43.5            | 1.345               | 57.63                          | 46.7                | 1.234   |
| July.....                           | 59.05                               | 41.6            | 1.441                      | 57.43              | 45.4            | 1.265                         | 47.78                  | 41.4            | 1.154                           | 60.79              | 44.6            | 1.363                               | 61.92                        | 45.0            | 1.376               | 60.80                          | 47.5                | 1.280   |
| August.....                         | 58.97                               | 40.7            | 1.449                      | 57.17              | 45.3            | 1.262                         | 48.39                  | 40.8            | 1.186                           | 63.10              | 45.2            | 1.396                               | 65.64                        | 46.0            | 1.427               | 57.89                          | 45.4                | 1.275   |

See footnotes at end of table.

TABLE C-1: Hours and Gross Earnings of Production Workers or Nonsupervisory Employees<sup>1</sup>—Con.

| Year and month                      | Manufacturing—Continued             |                  |   |                     |                  |                             |                                    |                  |                             |                     |                  |                     |                     |                  |                          |                     |                  |                     |  |  |
|-------------------------------------|-------------------------------------|------------------|---|---------------------|------------------|-----------------------------|------------------------------------|------------------|-----------------------------|---------------------|------------------|---------------------|---------------------|------------------|--------------------------|---------------------|------------------|---------------------|--|--|
|                                     | Food and kindred products—Continued |                  |   |                     |                  |                             |                                    |                  |                             |                     |                  |                     |                     |                  |                          |                     |                  |                     |  |  |
|                                     | Bakery products                     |                  |   | Sugar               |                  |                             | Confectionery and related products |                  |                             | Confectionery       |                  |                     | Beverages           |                  |                          | Bottled soft drinks |                  |                     |  |  |
|                                     | Avg. wkly. earnings                 | Avg. wkly. hours | Avg. hrly. earnings                       | Avg. wkly. earnings | Avg. wkly. hours | Avg. hrly. earnings         | Avg. wkly. earnings                | Avg. hrly. hours | Avg. hrly. earnings         | Avg. wkly. earnings | Avg. hrly. hours | Avg. hrly. earnings | Avg. wkly. earnings | Avg. hrly. hours | Avg. hrly. earnings      | Avg. wkly. earnings | Avg. hrly. hours | Avg. hrly. earnings |  |  |
| 1948: Average.....                  | \$49.35                             | 42.4             | \$1.164                                   | \$52.04             | 41.8             | \$1.245                     | \$44.00                            | 40.0             | \$1.100                     | \$41.46             | 39.6             | \$1.047             | \$61.43             | 41.9             | \$1.466                  | \$46.26             | 44.1             | \$1.049             |  |  |
| 1949: Average.....                  | 51.67                               | 41.7             | 1.239                                     | 56.01               | 42.4             | 1.321                       | 45.12                              | 40.0             | 1.128                       | 42.63               | 39.8             | 1.071               | 64.21               | 41.0             | 1.566                    | 48.40               | 43.8             | 1.105               |  |  |
| 1949: August.....                   | 51.83                               | 41.5             | 1.249                                     | 56.53               | 41.2             | 1.372                       | 45.39                              | 40.2             | 1.120                       | 42.80               | 40.0             | 1.070               | 66.24               | 41.4             | 1.600                    | 49.88               | 44.1             | 1.131               |  |  |
| September.....                      | 52.85                               | 42.1             | 1.256                                     | 59.17               | 43.6             | 1.357                       | 47.70                              | 42.1             | 1.133                       | 44.03               | 41.3             | 1.096               | 64.02               | 40.7             | 1.595                    | 48.32               | 43.3             | 1.116               |  |  |
| October.....                        | 52.29                               | 41.6             | 1.257                                     | 53.71               | 42.9             | 1.252                       | 45.42                              | 42.6             | 1.139                       | 44.83               | 41.7             | 1.075               | 64.40               | 40.5             | 1.590                    | 49.37               | 45.0             | 1.097               |  |  |
| November.....                       | 52.12                               | 41.4             | 1.258                                     | 60.82               | 45.0             | 1.267                       | 45.86                              | 40.8             | 1.124                       | 43.44               | 40.9             | 1.062               | 63.60               | 40.1             | 1.586                    | 48.24               | 43.7             | 1.104               |  |  |
| December.....                       | 52.16                               | 41.3             | 1.263                                     | 54.91               | 42.4             | 1.295                       | 45.35                              | 40.6             | 1.117                       | 42.98               | 40.7             | 1.056               | 63.12               | 39.7             | 1.590                    | 46.07               | 42.0             | 1.097               |  |  |
| 1950: January.....                  | 52.07                               | 41.1             | 1.267                                     | 55.78               | 39.9             | 1.308                       | 45.59                              | 40.2             | 1.134                       | 42.75               | 39.8             | 1.074               | 63.52               | 39.7             | 1.600                    | 46.67               | 42.5             | 1.098               |  |  |
| February.....                       | 52.96                               | 41.6             | 1.273                                     | 55.44               | 39.8             | 1.303                       | 45.26                              | 39.7             | 1.140                       | 42.60               | 39.3             | 1.064               | 64.52               | 40.0             | 1.613                    | 46.98               | 42.4             | 1.108               |  |  |
| March.....                          | 52.75                               | 41.5             | 1.271                                     | 55.92               | 40.2             | 1.391                       | 45.19                              | 39.4             | 1.147                       | 42.92               | 39.2             | 1.095               | 65.16               | 40.1             | 1.625                    | 47.62               | 41.9             | 1.115               |  |  |
| April.....                          | 52.37                               | 41.2             | 1.271                                     | 55.32               | 39.4             | 1.494                       | 43.77                              | 37.9             | 1.155                       | 41.59               | 37.6             | 1.106               | 66.38               | 40.7             | 1.631                    | 47.90               | 42.5             | 1.127               |  |  |
| May.....                            | 53.12                               | 41.6             | 1.277                                     | 57.59               | 41.4             | 1.391                       | 45.36                              | 39.1             | 1.160                       | 43.56               | 39.0             | 1.117               | 66.71               | 41.1             | 1.623                    | 48.64               | 43.2             | 1.126               |  |  |
| June.....                           | 53.21                               | 41.9             | 1.270                                     | 59.23               | 42.4             | 1.397                       | 46.37                              | 39.6             | 1.171                       | 44.36               | 39.4             | 1.126               | 68.96               | 42.0             | 1.642                    | 51.29               | 44.1             | 1.163               |  |  |
| July.....                           | 53.66                               | 41.6             | 1.290                                     | 66.32               | 45.8             | 1.448                       | 46.02                              | 38.8             | 1.186                       | 44.12               | 38.5             | 1.146               | 70.79               | 42.8             | 1.654                    | 50.57               | 43.0             | 1.176               |  |  |
| August.....                         | 54.34                               | 41.7             | 1.303                                     | 64.98               | 45.6             | 1.425                       | 48.00                              | 40.4             | 1.188                       | 45.71               | 40.1             | 1.140               | 68.34               | 41.9             | 1.631                    | 50.37               | 43.2             | 1.166               |  |  |
| Manufacturing—Continued             |                                     |                  |   |                     |                  |                             |                                    |                  |                             |                     |                  |                     |                     |                  |                          |                     |                  |                     |  |  |
| Food and kindred products—Continued |                                     |                  |   |                     |                  |                             |                                    |                  |                             |                     |                  |                     |                     |                  |                          |                     |                  |                     |  |  |
| Malt liquors                        |                                     |                  | Distilled, rectified, and blended liquors |                     |                  | Miscellaneous food products |                                    |                  | Total: Tobacco manufactures |                     |                  | Cigarettes          |                     |                  | Cigars                   |                     |                  |                     |  |  |
| 1948: Average.....                  | \$56.40                             | 42.0             | \$1.581                                   | \$54.92             | 40.5             | \$1.358                     | \$49.74                            | 42.3             | \$1.176                     | \$36.50             | 38.1             | \$0.958             | \$44.51             | 38.6             | \$1.153                  | \$32.71             | 37.6             | \$0.870             |  |  |
| 1949: Average.....                  | 69.46                               | 41.1             | 1.690                                     | 57.00               | 39.2             | 1.454                       | 52.17                              | 41.9             | 1.245                       | 37.25               | 37.1             | 1.004               | 46.33               | 37.7             | 1.229                    | 32.41               | 36.7             | .884                |  |  |
| 1949: August.....                   | 72.02                               | 41.7             | 1.727                                     | 57.14               | 38.9             | 1.490                       | 53.04                              | 42.5             | 1.248                       | 38.58               | 37.8             | .907                | 48.90               | 30.5             | 1.238                    | 32.81               | 37.2             | .882                |  |  |
| September.....                      | 69.46                               | 40.5             | 1.715                                     | 60.18               | 40.2             | 1.497                       | 52.50                              | 42.2             | 1.244                       | 38.39               | 38.9             | .987                | 47.92               | 38.9             | 1.232                    | 33.71               | 38.0             | .887                |  |  |
| October.....                        | 69.33                               | 40.1             | 1.729                                     | 58.30               | 39.5             | 1.478                       | 53.38                              | 42.5             | 1.256                       | 37.86               | 38.2             | .991                | 46.73               | 37.9             | 1.233                    | 33.45               | 37.8             | .885                |  |  |
| November.....                       | 67.52                               | 39.3             | 1.718                                     | 62.28               | 41.3             | 1.508                       | 53.13                              | 42.1             | 1.262                       | 38.46               | 38.0             | 1.012               | 47.81               | 38.9             | 1.229                    | 34.16               | 38.0             | .899                |  |  |
| December.....                       | 68.14                               | 39.8             | 1.712                                     | 56.77               | 38.0             | 1.494                       | 53.00                              | 42.0             | 1.262                       | 38.76               | 38.0             | 1.020               | 48.53               | 38.7             | 1.254                    | 32.60               | 36.8             | .886                |  |  |
| 1950: January.....                  | 68.52                               | 39.7             | 1.725                                     | 59.70               | 39.8             | 1.500                       | 53.21                              | 41.8             | 1.273                       | 39.25               | 38.0             | 1.033               | 49.15               | 39.1             | 1.257                    | 33.25               | 36.5             | .911                |  |  |
| February.....                       | 69.32                               | 40.0             | 1.733                                     | 58.67               | 38.5             | 1.524                       | 52.64                              | 41.1             | 1.281                       | 38.48               | 36.2             | 1.063               | 46.96               | 37.3             | 1.259                    | 33.87               | 35.8             | .946                |  |  |
| March.....                          | 70.42                               | 40.1             | 1.756                                     | 58.45               | 39.2             | 1.491                       | 53.71                              | 41.6             | 1.291                       | 39.49               | 36.7             | 1.076               | 48.65               | 38.7             | 1.257                    | 33.71               | 35.3             | .955                |  |  |
| April.....                          | 72.19                               | 40.9             | 1.765                                     | 57.66               | 38.8             | 1.498                       | 53.15                              | 41.2             | 1.290                       | 38.59               | 35.5             | 1.087               | 48.41               | 38.0             | 1.274                    | 31.38               | 33.0             | .951                |  |  |
| May.....                            | 72.82                               | 41.4             | 1.759                                     | 57.47               | 38.7             | 1.485                       | 53.16                              | 41.6             | 1.278                       | 39.67               | 36.7             | 1.081               | 47.99               | 37.7             | 1.273                    | 34.49               | 36.3             | .950                |  |  |
| June.....                           | 74.95                               | 42.2             | 1.776                                     | 59.35               | 39.7             | 1.495                       | 54.82                              | 42.2             | 1.299                       | 41.59               | 38.3             | 1.086               | 51.21               | 40.1             | 1.277                    | 35.49               | 37.2             | .954                |  |  |
| July.....                           | 77.38                               | 43.4             | 1.783                                     | 59.68               | 39.5             | 1.511                       | 56.47                              | 42.3             | 1.335                       | 42.05               | 38.4             | 1.095               | 52.24               | 40.4             | 1.293                    | 35.03               | 36.8             | .952                |  |  |
| August.....                         | 72.82                               | 41.4             | 1.759                                     | 66.50               | 42.3             | 1.572                       | 56.68                              | 42.3             | 1.340                       | 43.44               | 39.6             | 1.097               | 58.21               | 43.7             | 1.332                    | 36.00               | 37.5             | .960                |  |  |
| Manufacturing—Continued             |                                     |                  |   |                     |                  |                             |                                    |                  |                             |                     |                  |                     |                     |                  |                          |                     |                  |                     |  |  |
| Tobacco manufactures—Continued      |                                     |                  |   |                     |                  |                             |                                    |                  |                             |                     |                  |                     |                     |                  |                          |                     |                  |                     |  |  |
| Tobacco and snuff                   |                                     |                  | Tobacco stemming and redrying             |                     |                  | Total: Tobacco manufactures |                                    |                  | Yarn and thread mills       |                     |                  | Yarn mills          |                     |                  | Broad-woven fabric mills |                     |                  |                     |  |  |
| 1948: Average.....                  | \$37.21                             | 37.7             | \$0.987                                   | \$34.24             | 40.0             | \$0.856                     | \$45.59                            | 39.2             | \$1.163                     | \$41.49             | 38.1             | \$1.089             | \$41.42             | 37.9             | \$1.093                  | \$46.13             | 39.6             | \$1.165             |  |  |
| 1949: Average.....                  | 39.10                               | 37.2             | 1.051                                     | 34.20               | 38.3             | .893                        | 44.83                              | 37.7             | 1.189                       | 40.51               | 36.4             | 1.113               | 40.55               | 36.3             | 1.117                    | 44.48               | 37.5             | 1.166               |  |  |
| 1949: August.....                   | 40.33                               | 38.1             | 1.059                                     | 36.50               | 42.9             | .853                        | 44.37                              | 37.6             | 1.180                       | 40.33               | 36.5             | 1.105               | 40.33               | 36.4             | 1.108                    | 44.41               | 37.6             | 1.181               |  |  |
| September.....                      | 40.02                               | 38.1             | 1.074                                     | 34.47               | 42.3             | .815                        | 45.82                              | 38.6             | 1.187                       | 42.07               | 37.9             | 1.110               | 41.89               | 37.7             | 1.111                    | 45.74               | 38.5             | 1.188               |  |  |
| October.....                        | 39.81                               | 37.7             | 1.056                                     | 33.82               | 40.5             | .835                        | 47.04                              | 39.4             | 1.194                       | 43.06               | 38.5             | 1.117               | 42.97               | 38.4             | 1.119                    | 47.52               | 39.6             | 1.200               |  |  |
| November.....                       | 39.76                               | 37.4             | 1.063                                     | 32.24               | 38.1             | .993                        | 47.20                              | 39.5             | 1.195                       | 43.46               | 38.8             | 1.120               | 43.46               | 38.7             | 1.123                    | 47.76               | 39.8             | 1.200               |  |  |
| December.....                       | 41.46                               | 38.6             | 1.074                                     | 36.80               | 40.4             | .911                        | 47.64                              | 39.8             | 1.197                       | 44.08               | 39.5             | 1.116               | 43.98               | 38.3             | 1.119                    | 48.40               | 40.3             | 1.201               |  |  |
| 1950: January.....                  | 40.69                               | 37.4             | 1.088                                     | 37.58               | 41.8             | .869                        | 47.36                              | 39.4             | 1.202                       | 43.67               | 39.2             | 1.114               | 43.60               | 39.0             | 1.118                    | 48.16               | 40.0             | 1.204               |  |  |
| February.....                       | 40.04                               | 36.3             | 1.103                                     | 35.34               | 35.3             | 1.001                       | 47.88                              | 39.6             | 1.209                       | 43.84               | 39.0             | 1.124               | 43.88               | 38.9             | 1.128                    | 48.16               | 40.1             | 1.201               |  |  |
| March.....                          | 40.92                               | 36.8             | 1.112                                     | 39.58               | 38.5             | 1.001                       | 47.39                              | 39.2             | 1.209                       | 42.67               | 38.0             | 1.123               | 42.60               | 37.8             | 1.127                    | 47.72               | 39.8             | 1.199               |  |  |
| April.....                          | 41.49                               | 37.4             | 1.104                                     | 37.30               | 38.0             | 1.001                       | 45.31                              | 37.8             | 1.207                       | 42.80               | 38.4             | 1.121               | 40.63               | 36.1             | 1.126                    | 45.81               | 38.4             | 1.193               |  |  |
| May.....                            | 40.89                               | 36.3             | 1.115                                     | 37.19               | 38.1             | 1.019                       | 45.85                              | 37.9             | 1.204                       | 41.62               | 36.9             | 1.122               | 41.77               | 36.8             | 1.135                    | 45.82               | 38.5             | 1.190               |  |  |
| June.....                           | 43.31                               | 38.5             | 1.125                                     | 40.11               | 38.6             | 1.039                       | 46.75                              | 38.1             | 1.208                       | 42.68               | 37.8             | 1.129               | 42.79               | 37.7             | 1.135                    | 46.92               | 39.2             | 1.197               |  |  |
| July.....                           | 44.72                               | 39.3             | 1.138                                     | 40.16               | 39.1             | 1.027                       | 47.23                              | 39.0             | 1.211                       | 43.24               | 38.1             | 1.135               | 43.51               | 38.1             | 1.142                    | 47.44               | 39.5             | 1.201               |  |  |
| August.....                         | 45.91                               | 40.1             | 1.145                                     | 35.34               | 37.6             | .940                        | 49.53                              | 40.6             | 1.220                       | 45.50               | 39.7             | 1.146               | 45.62               | 39.6             | 1.152                    | 49.37               | 40.8             | 1.210               |  |  |

See footnotes at end of table.

TABLE C-1: Hours and Gross Earnings of Production Workers or Nonsupervisory Employees<sup>1</sup>—Con.

| Year and month                                     | Manufacturing—Continued                    |                       |                                 |                          |                       |   |                          |                       |                                     |                                     |                       |                             |                               |                       |                               |                       |                           |         |
|--|--|-----------------------|---------------------------------|--------------------------|-----------------------|---|--------------------------|-----------------------|-------------------------------------|-------------------------------------|-----------------------|-----------------------------|-------------------------------|-----------------------|-------------------------------|-----------------------|---------------------------|---------|
|  | Textile-mill products—Continued            |                       |                                 |                          |                       |   |                          |                       |                                     |                                     |                       |                             |                               |                       |                               |                       |                           |         |
|  | Cotton, silk, synthetic fiber <sup>4</sup> |                       |                                 | Woolen and worsted       |                       |   | Knitting mills           |                       |                                     | Full-fashioned hosiery <sup>4</sup> |                       |                             | Seamless hosiery <sup>4</sup> |                       |                               | Knit outerwear        |                           |         |
|  | Avg.<br>wky.<br>earnings                   | Avg.<br>wky.<br>hours | Avg.<br>hrly.<br>earnings       | Avg.<br>wky.<br>earnings | Avg.<br>wky.<br>hours | Avg.<br>hrly.<br>earnings                     | Avg.<br>wky.<br>earnings | Avg.<br>wky.<br>hours | Avg.<br>hrly.<br>earnings           | Avg.<br>wky.<br>earnings            | Avg.<br>wky.<br>hours | Avg.<br>hrly.<br>earnings   | Avg.<br>wky.<br>earnings      | Avg.<br>wky.<br>hours | Avg.<br>hrly.<br>earnings     | Avg.<br>wky.<br>hours | Avg.<br>hrly.<br>earnings |         |
| 1948: Average.....                                 | \$44.36                                    | 39.4                  | \$1.126                         | \$52.45                  | 40.1                  | \$1.308                                       | \$41.14                  | 37.5                  | \$1.097                             | \$52.85                             | 38.8                  | \$1.362                     | \$30.27                       | 35.2                  | \$0.860                       | \$59.75               | 38.0                      | \$1.046 |
| 1949: Average.....                                 | 42.89                                      | 37.2                  | 1.153                           | 51.19                    | 38.9                  | 1.316   | 41.47                    | 36.8                  | 1.127                               | 52.09                               | 37.5                  | 1.389                       | 31.45                         | 35.5                  | .886                          | 40.98                 | 38.1                      | 1.075   |
| 1949: August.....                                  | 42.71                                      | 37.2                  | 1.148                           | 51.16                    | 39.2                  | 1.305   | 41.11                    | 37.0                  | 1.111                               | 51.86                               | 37.5                  | 1.375                       | 31.40                         | 35.8                  | .877                          | 39.61                 | 37.8                      | 1.048   |
| September.....                                     | 44.24                                      | 38.3                  | 1.155                           | 51.94                    | 39.5                  | 1.315   | 42.22                    | 37.8                  | 1.117                               | 52.72                               | 38.2                  | 1.380                       | 31.86                         | 36.0                  | .885                          | 40.69                 | 38.5                      | 1.057   |
| October.....                                       | 46.09                                      | 39.6                  | 1.164                           | 52.27                    | 39.8                  | 1.235   | 43.68                    | 38.9                  | 1.123                               | 55.02                               | 39.5                  | 1.303                       | 33.76                         | 37.8                  | .893                          | 42.51                 | 39.8                      | 1.068   |
| November.....                                      | 46.56                                      | 39.0                  | 1.167                           | 52.51                    | 39.6                  | 1.326   | 43.28                    | 38.4                  | 1.127                               | 54.86                               | 39.1                  | 1.405                       | 33.68                         | 37.5                  | .895                          | 42.34                 | 39.5                      | 1.072   |
| December.....                                      | 47.19                                      | 40.4                  | 1.168                           | 53.37                    | 40.1                  | 1.331   | 42.34                    | 37.6                  | 1.126                               | 53.15                               | 37.6                  | 1.406                       | 33.42                         | 37.3                  | .896                          | 41.16                 | 38.4                      | 1.072   |
| 1950: January.....                                 | 47.04                                      | 40.1                  | 1.173                           | 52.92                    | 39.7                  | 1.323   | 41.73                    | 36.8                  | 1.134                               | 51.53                               | 36.6                  | 1.408                       | 32.92                         | 36.3                  | .907                          | 41.47                 | 37.8                      | 1.097   |
| February.....                                      | 47.07                                      | 40.2                  | 1.171                           | 52.51                    | 39.6                  | 1.326   | 43.58                    | 37.2                  | 1.166                               | 53.16                               | 37.2                  | 1.429                       | 34.50                         | 36.2                  | .953                          | 42.74                 | 38.3                      | 1.116   |
| March.....   | 46.88                                      | 40.0                  | 1.172                           | 51.00                    | 38.9                  | 1.311   | 43.55                    | 37.0                  | 1.177                               | 54.25                               | 38.1                  | 1.424                       | 33.29                         | 34.5                  | .965                          | 43.80                 | 38.9                      | 1.126   |
| April.....   | 44.66                                      | 38.4                  | 1.163                           | 50.94                    | 38.8                  | 1.313   | 40.60                    | 35.0                  | 1.160                               | 49.02                               | 35.6                  | 1.377                       | 31.78                         | 32.8                  | .969                          | 43.05                 | 38.2                      | 1.127   |
| May.....   | 44.35                                      | 38.3                  | 1.158                           | 51.04                    | 39.0                  | 1.315   | 40.67                    | 35.0                  | 1.162                               | 49.76                               | 36.4                  | 1.381                       | 31.71                         | 32.2                  | .966                          | 43.75                 | 37.9                      | 1.128   |
| June.....  | 45.24                                      | 38.9                  | 1.163                           | 51.36                    | 39.4                  | 1.324   | 41.85                    | 36.2                  | 1.175                               | 50.78                               | 37.1                  | 1.357                       | 33.13                         | 34.5                  | .966                          | 43.56                 | 37.5                      | 1.122   |
| July.....  | 45.68                                      | 39.4                  | 1.170                           | 53.85                    | 40.4                  | 1.333   | 42.21                    | 37.0                  | 1.155                               | 51.89                               | 37.9                  | 1.369                       | 33.32                         | 35.0                  | .952                          | 42.22                 | 37.9                      | 1.114   |
| August.....  | 47.94                                      | 40.7                  | 1.178                           | 54.60                    | 40.9                  | 1.335   | 45.51                    | 39.2                  | 1.161                               | 54.94                               | 39.7                  | 1.384                       | 37.03                         | 38.1                  | .972                          | 44.03                 | 39.7                      | 1.109   |
| Manufacturing—Continued                            |  |                       |                                 |                          |                       |   |                          |                       |                                     |                                     |                       |                             |                               |                       |                               |                       |                           |         |
| Textile-mill products—Continued                    |  |                       |                                 |                          |                       |   |                          |                       |                                     |                                     |                       |                             |                               |                       |                               |                       |                           |         |
| Knit underwear                                     |  |                       | Dyeing and finishing textiles   |                          |                       | Carpets, rugs, other floor coverings          |                          |                       | Wool carpets, rugs, and carpet yarn |                                     |                       | Other textile-mill products |                               |                       | Fur-felt hats and hand bodies |                       |                           |         |
| 1948: Average.....                                 | \$37.40                                    | 37.7                  | \$0.992                         | \$51.00                  | 41.0                  | \$1.244                                       | \$58.13                  | 42.0                  | \$1.384                             | \$58.09                             | 41.7                  | \$1.393                     | \$47.96                       | 39.7                  | \$1.208                       | \$49.17               | 36.5                      | \$1.347 |
| 1949: Average.....                                 | 36.34                                      | 36.2                  | 1.004                           | 51.80                    | 40.3                  | 1.278   | 56.80                    | 39.5                  | 1.438                               | 56.23                               | 38.7                  | 1.453                       | 47.89                         | 38.9                  | 1.231                         | 49.21                 | 35.3                      | 1.394   |
| 1949: August.....                                  | 36.88                                      | 37.0                  | .996                            | 50.59                    | 39.9                  | 1.268   | 54.14                    | 38.1                  | 1.421                               | 53.24                               | 37.1                  | 1.433                       | 47.48                         | 38.6                  | 1.220                         | 50.41                 | 36.4                      | 1.388   |
| September.....                                     | 38.85                                      | 38.7                  | 1.004                           | 52.31                    | 40.8                  | 1.282   | 56.10                    | 39.2                  | 1.431                               | 54.31                               | 40.8                  | 1.402                       | 48.56                         | 39.9                  | 1.242                         | 49.49                 | 35.5                      | 1.394   |
| October.....                                       | 39.78                                      | 38.7                  | 1.002                           | 52.69                    | 41.2                  | 1.279   | 57.26                    | 39.9                  | 1.435                               | 57.31                               | 39.2                  | 1.462                       | 48.87                         | 39.6                  | 1.234                         | 45.55                 | 33.3                      | 1.368   |
| November.....                                      | 37.71                                      | 37.6                  | 1.003                           | 52.91                    | 41.3                  | 1.281   | 58.67                    | 40.7                  | 1.430                               | 58.67                               | 41.8                  | 1.463                       | 48.18                         | 39.2                  | 1.229                         | 45.86                 | 32.9                      | 1.394   |
| December.....                                      | 37.07                                      | 37.0                  | 1.002                           | 53.54                    | 41.9                  | 1.285   | 59.99                    | 41.4                  | 1.449                               | 60.58                               | 41.1                  | 1.474                       | 49.64                         | 40.1                  | 1.250                         | 50.55                 | 35.7                      | 1.416   |
| 1950: January.....                                 | 37.29                                      | 36.7                  | 1.016                           | 52.03                    | 40.3                  | 1.291   | 60.44                    | 41.4                  | 1.460                               | 61.41                               | 41.3                  | 1.487                       | 49.80                         | 40.0                  | 1.245                         | 53.44                 | 37.5                      | 1.425   |
| February.....                                      | 38.42                                      | 37.3                  | 1.030                           | 53.37                    | 41.5                  | 1.286   | 60.80                    | 41.5                  | 1.465                               | 61.62                               | 41.3                  | 1.492                       | 50.91                         | 40.6                  | 1.284                         | 53.03                 | 37.4                      | 1.418   |
| March.....   | 37.1                                       | 37.1                  | 1.035                           | 52.42                    | 40.7                  | 1.288   | 60.99                    | 41.6                  | 1.466                               | 61.81                               | 41.4                  | 1.493                       | 49.75                         | 39.8                  | 1.250                         | 44.84                 | 32.9                      | 1.363   |
| April.....   | 35.71                                      | 34.5                  | 1.035                           | 50.89                    | 39.6                  | 1.285   | 59.16                    | 40.4                  | 1.464                               | 60.48                               | 40.4                  | 1.497                       | 49.29                         | 39.4                  | 1.221                         | 40.02                 | 29.0                      | 1.380   |
| May.....   | 35.26                                      | 34.0                  | 1.037                           | 49.25                    | 38.3                  | 1.286   | 60.61                    | 41.2                  | 1.471                               | 61.68                               | 41.2                  | 1.497                       | 49.95                         | 39.8                  | 1.255                         | 48.72                 | 34.6                      | 1.408   |
| June.....  | 36.30                                      | 35.0                  | 1.037                           | 51.18                    | 39.8                  | 1.286   | 61.17                    | 41.5                  | 1.474                               | 61.99                               | 41.3                  | 1.501                       | 51.44                         | 40.5                  | 1.270                         | 52.69                 | 37.0                      | 1.424   |
| July.....  | 38.31                                      | 36.8                  | 1.041                           | 50.71                    | 39.4                  | 1.287   | 59.67                    | 40.4                  | 1.477                               | 59.54                               | 39.8                  | 1.496                       | 51.93                         | 40.6                  | 1.279                         | 51.39                 | 36.5                      | 1.408   |
| August.....  | 41.21                                      | 39.4                  | 1.046                           | 56.24                    | 43.0                  | 1.308   | 61.37                    | 41.3                  | 1.496                               | 60.92                               | 40.4                  | 1.508                       | 53.11                         | 41.3                  | 1.286                         | 53.59                 | 37.9                      | 1.414   |
| Manufacturing—Continued                            |  |                       |                                 |                          |                       |   |                          |                       |                                     |                                     |                       |                             |                               |                       |                               |                       |                           |         |
| Apparel and other finished textile products        |  |                       |                                 |                          |                       |   |                          |                       |                                     |                                     |                       |                             |                               |                       |                               |                       |                           |         |
| Total: Apparel and other finished textile products |  |                       | Men's and boys' suits and coats |                          |                       | Men's and boys' furnishings and work clothing |                          |                       | Shirts, collars, and nightwear      |                                     |                       | Separate trousers           |                               |                       | Work shirts                   |                       |                           |         |
| 1948: Average.....                                 | \$42.79                                    | 36.2                  | \$1.182                         | \$50.11                  | 36.6                  | \$1.369                                       | \$33.20                  | 36.2                  | \$0.917                             | \$33.50                             | 36.1                  | \$0.928                     | \$35.31                       | 35.7                  | \$0.980                       | \$26.49               | 35.7                      | \$0.742 |
| 1949: Average.....                                 | 41.89                                      | 35.8                  | 1.170                           | 46.67                    | 34.7                  | 1.345   | 53.30                    | 36.2                  | .920                                | 53.37                               | 36.0                  | .927                        | 34.91                         | 35.7                  | .978                          | 27.44                 | 35.5                      | .773    |
| 1949: August.....                                  | 41.95                                      | 35.7                  | 1.175                           | 44.96                    | 33.5                  | 1.342   | 52.80                    | 36.4                  | .901                                | 52.02                               | 35.7                  | .897                        | 34.63                         | 35.7                  | .970                          | 27.33                 | 36.1                      | .757    |
| September.....                                     | 44.01                                      | 36.8                  | 1.196                           | 47.90                    | 34.4                  | 1.353   | 53.87                    | 36.9                  | .918                                | 53.21                               | 36.3                  | .915                        | 35.79                         | 36.6                  | .978                          | 28.19                 | 36.7                      | .768    |
| October.....                                       | 42.63                                      | 36.5                  | 1.168                           | 46.20                    | 34.3                  | 1.347   | 54.35                    | 37.5                  | .916                                | 54.30                               | 37.4                  | .917                        | 34.13                         | 35.4                  | .964                          | 28.27                 | 27.1                      | .762    |
| November.....                                      | 40.38                                      | 35.7                  | 1.131                           | 44.48                    | 32.9                  | 1.352   | 53.82                    | 36.8                  | .919                                | 54.78                               | 37.6                  | .925                        | 33.60                         | 34.6                  | .971                          | 28.22                 | 36.7                      | .769    |
| December.....                                      | 41.82                                      | 35.9                  | 1.165                           | 46.64                    | 34.7                  | 1.344   | 53.82                    | 36.8                  | .919                                | 54.52                               | 37.2                  | .928                        | 34.14                         | 35.3                  | .967                          | 27.58                 | 35.4                      | .779    |
| 1950: January.....                                 | 42.70                                      | 36.0                  | 1.186                           | 47.72                    | 35.4                  | 1.348   | 53.63                    | 36.2                  | .920                                | 53.43                               | 35.6                  | .939                        | 36.47                         | 36.8                  | .991                          | 27.80                 | 35.6                      | .781    |
| February.....                                      | 44.48                                      | 36.7                  | 1.212                           | 49.88                    | 37.0                  | 1.348   | 55.64                    | 36.4                  | .979                                | 53.19                               | 36.2                  | .972                        | 39.26                         | 37.9                  | 1.036                         | 30.65                 | 35.4                      | .863    |
| March.....   | 43.50                                      | 36.4                  | 1.195                           | 50.81                    | 37.5                  | 1.355   | 55.62                    | 36.2                  | .984                                | 55.40                               | 36.2                  | .978                        | 39.77                         | 38.2                  | 1.041                         | 30.43                 | 35.3                      | .862    |
| April.....   | 40.80                                      | 35.2                  | 1.159                           | 47.46                    | 32.5                  | 1.337   | 55.00                    | 35.5                  | .986                                | 55.02                               | 36.7                  | .981                        | 39.33                         | 38.0                  | 1.035                         | 29.75                 | 34.0                      | .875    |
| May.....   | 41.27                                      | 35.7                  | 1.156                           | 48.92                    | 36.7                  | 1.333   | 55.20                    | 35.9                  | .983                                | 54.81                               | 35.7                  | .975                        | 39.81                         | 38.1                  | 1.045                         | 31.18                 | 35.8                      | .871    |
| June.....  | 41.89                                      | 35.8                  | 1.170                           | 48.99                    | 36.7                  | 1.335   | 55.55                    | 36.2                  | .982                                | 54.82                               | 35.6                  | .978                        | 39.34                         | 37.9                  | 1.038                         | 30.66                 | 35.4                      | .866    |
| July.....  | 43.30                                      | 36.2                  | 1.194                           | 49.07                    | 36.7                  | 1.337   | 55.61                    | 36.3                  | .981                                | 54.82                               | 35.6                  | .978                        | 38.70                         | 37.5                  | 1.032                         | 31.25                 | 36.0                      | .866    |
| August.....  | 46.18                                      | 37.7                  | 1.225                           | 51.14                    | 37.8                  | 1.353   | 57.45                    | 37.9                  | .988                                | 56.79                               | 37.5                  | .981                        | 40.34                         | 38.6                  | 1.045                         | 32.73                 | 37.8                      | .866    |

See footnotes at end of table.

TABLE C-1: Hours and Gross Earnings of Production Workers or Nonsupervisory Employees<sup>1</sup>—Con.

| Year and month  | Manufacturing—Continued                               |                           |  |                       |                           |   |                       |                           |                                   |                                  |                       |                           |   |                               |                                |   |         |         |         |
|---|---|---------------------------|--|-----------------------|---------------------------|---|-----------------------|---------------------------|-----------------------------------|----------------------------------|-----------------------|---------------------------|---|-------------------------------|--------------------------------|---|---------|---------|---------|
|   | Apparel and other finished textile products—Continued |                           |  |                       |                           |   |                       |                           |                                   |                                  |                       |                           |   |                               |                                |   |         |         |         |
|   | Women's outerwear                                     |                           |  | Women's dresses       |                           |   | Household apparel     |                           |                                   | Women's suits, coats, and skirts |                       |                           | Women's and children's undergarments        |                               |                                | Underwear and nightwear, except corsets |         |         |         |
| Avg.<br>wky.<br>earnings                              | Avg.<br>wky.<br>hours                                 | Avg.<br>hrly.<br>earnings | Avg.<br>wky.<br>earnings                         | Avg.<br>wky.<br>hours | Avg.<br>hrly.<br>earnings | Avg.<br>wky.<br>earnings                                      | Avg.<br>wky.<br>hours | Avg.<br>hrly.<br>earnings | Avg.<br>wky.<br>hours             | Avg.<br>hrly.<br>earnings        | Avg.<br>wky.<br>hours | Avg.<br>hrly.<br>earnings | Avg.<br>wky.<br>hours                       | Avg.<br>hrly.<br>earnings     | Avg.<br>wky.<br>hours          | Avg.<br>hrly.<br>earnings               |         |         |         |
| 1948: Average.....                                    | \$51.49   | 35.1                      | \$1.46   | 72                    | \$48.72                   | 34.8  | \$1.400               | \$31.59                   | 36.1                              | \$0.875                          | \$70.60               | 35.0                      | \$2.017                                     | \$35.32                       | 36.6                           | \$0.965                                 | \$34.12 | 36.3    | \$0.940 |
| 1949: Average.....                                    | 49.69   | 34.7                      | 1.432  | 47.20                 | 34.4                      | 1.372   | 32.23                 | 36.8                      | .883                              | 66.38                            | 33.8                  | 1.964                     | 35.79                                       | 36.6                          | .978                           | 34.08                                   | 36.1    | .944    |         |
| 1949: August.....                                     | 50.40   | 34.4                      | 1.465  | 46.21                 | 34.1                      | 1.355   | 30.98                 | 35.3                      | .874                              | 67.61                            | 34.2                  | 1.971                     | 35.48                                       | 36.8                          | .964                           | 33.54                                   | 36.1    | .929    |         |
| September.....  | 53.13   | 35.8                      | 1.494  | 50.20                 | 35.4                      | 1.418   | 33.08                 | 37.8                      | .875                              | 69.73                            | 35.2                  | 1.981                     | 37.24                                       | 38.0                          | .980                           | 33.82                                   | 37.7    | .950    |         |
| October.....  | 49.49   | 34.2                      | 1.447  | 46.94                 | 33.7                      | 1.394   | 31.45                 | 35.9                      | .874                              | 64.88                            | 33.0                  | 1.966                     | 38.10                                       | 38.6                          | .987                           | 36.25                                   | 38.2    | .949    |         |
| November.....   | 45.80   | 33.6                      | 1.363  | 44.99                 | 33.3                      | 1.351   | 31.90                 | 36.5                      | .874                              | 58.28                            | 30.6                  | 1.808                     | 37.45                                       | 38.1                          | .983                           | 36.27                                   | 38.1    | .952    |         |
| December.....   | 49.13   | 34.5                      | 1.424  | 47.40                 | 34.5                      | 1.374   | 31.23                 | 35.9                      | .870                              | 63.67                            | 33.3                  | 1.912                     | 36.36                                       | 36.8                          | .988                           | 34.45                                   | 36.0    | .957    |         |
| 1950: January.....                                    | 50.96   | 35.0                      | 1.453  | 48.30                 | 34.9                      | 1.384   | 31.38                 | 35.1                      | .894                              | 66.97                            | 34.7                  | 1.930                     | 36.58                                       | 36.8                          | .904                           | 34.78                                   | 36.5    | .953    |         |
| February.....   | 52.63   | 35.9                      | 1.469  | 48.89                 | 35.4                      | 1.381   | 34.95                 | 37.1                      | .942                              | 69.83                            | 35.5                  | 1.967                     | 37.52                                       | 37.0                          | 1.014                          | 36.03                                   | 36.5    | .987    |         |
| March.....  | 49.67   | 35.4                      | 1.403  | 49.37                 | 35.8                      | 1.379   | 35.53                 | 37.4                      | .950                              | 60.70                            | 32.6                  | 1.862                     | 37.87                                       | 36.8                          | 1.029                          | 35.68                                   | 36.0    | .991    |         |
| April.....  | 49.06   | 34.5                      | 1.333  | 49.44                 | 35.7                      | 1.385   | 34.99                 | 36.6                      | .956                              | 51.19                            | 29.1                  | 1.759                     | 36.22                                       | 35.2                          | 1.029                          | 34.09                                   | 34.3    | .994    |         |
| May.....  | 45.57   | 34.6                      | 1.317  | 48.71                 | 35.3                      | 1.380   | 35.31                 | 36.4                      | .970                              | 50.13                            | 29.7                  | 1.688                     | 36.15                                       | 35.2                          | 1.027                          | 33.69                                   | 34.1    | .988    |         |
| June.....   | 45.87   | 33.8                      | 1.357  | 45.69                 | 34.1                      | 1.340   | 32.92                 | 33.7                      | .977                              | 58.41                            | 33.9                  | 1.723                     | 36.43                                       | 35.4                          | 1.029                          | 34.25                                   | 34.6    | .990    |         |
| July.....   | 49.69   | 34.8                      | 1.428  | 45.71                 | 35.0                      | 1.306   | 32.37                 | 33.2                      | .975                              | 66.29                            | 35.3                  | 1.878                     | 37.25                                       | 36.2                          | 1.029                          | 35.44                                   | 35.8    | .990    |         |
| August.....   | 53.91   | 36.3                      | 1.485  | 50.01                 | 35.8                      | 1.397   | 34.90                 | 36.2                      | .964                              | 72.30                            | 36.7                  | 1.970                     | 40.26                                       | 38.6                          | 1.043                          | 38.28                                   | 38.2    | 1.002   |         |
| Manufacturing—Continued                               |   |                           |  |                       |                           |   |                       |                           |                                   |                                  |                       |                           |   |                               |                                |   |         |         |         |
| Apparel and other finished textile products—Continued |   |                           |  |                       |                           |   |                       |                           |                                   |                                  |                       |                           |   |                               |                                |   |         |         |         |
| Lumber and wood products (except furniture)           |   |                           |  |                       |                           |   |                       |                           |                                   |                                  |                       |                           |   |                               |                                |   |         |         |         |
| Millinery   |   |                           | Children's outerwear                             |                       |                           | Fur goods and miscellaneous apparel                           |                       |                           | Other fabricated textile products |                                  |                       | Total:                    | Lumber and wood products (except furniture) | Logging camps and contractors |                                |   |         |         |         |
| 1948: Average.....                                    | \$50.22   | 34.8                      | \$1.443  | \$36.72               | 36.5                      | \$1.006   | \$42.21               | 36.7                      | \$1.150                           | \$38.49                          | 38.0                  | \$1.013                   | \$51.38                                     | 41.5                          | \$1.238                        | \$60.26                                 | 38.7    | \$1.557 |         |
| 1949: Average.....                                    | 53.55   | 35.3                      | 1.517  | 37.06                 | 36.3                      | 1.021   | 42.05                 | 36.0                      | 1.168                             | 39.74                            | 38.1                  | 1.043                     | 51.72                                       | 40.6                          | 1.274                          | 61.31                                   | 39.1    | 1.568   |         |
| 1949: August.....                                     | 84.40   | 30.1                      | 1.507  | 37.38                 | 36.9                      | 1.013   | 42.54                 | 35.2                      | 1.172                             | 39.77                            | 38.2                  | 1.041                     | 52.87                                       | 40.7                          | 1.299                          | 67.16                                   | 41.1    | 1.634   |         |
| September.....  | 64.40   | 30.8                      | 1.618  | 38.18                 | 37.1                      | 1.029   | 43.45                 | 37.3                      | 1.189                             | 40.86                            | 38.8                  | 1.053                     | 52.83                                       | 40.7                          | 1.298                          | 64.08                                   | 40.0    | 1.602   |         |
| October.....  | 53.68   | 35.6                      | 1.508  | 37.73                 | 36.9                      | 1.023   | 45.31                 | 38.4                      | 1.180                             | 40.62                            | 39.1                  | 1.070                     | 54.17                                       | 41.7                          | 1.299                          | 65.00                                   | 40.6    | 1.601   |         |
| November.....   | 43.81   | 29.8                      | 1.485  | 36.89                 | 36.6                      | 1.006   | 43.85                 | 37.7                      | 1.163                             | 38.73                            | 37.9                  | 1.022                     | 52.48                                       | 41.0                          | 1.280                          | 61.58                                   | 39.2    | 1.571   |         |
| December.....   | 50.35   | 34.7                      | 1.451  | 37.07                 | 36.2                      | 1.024   | 43.57                 | 36.8                      | 1.184                             | 39.36                            | 37.7                  | 1.044                     | 52.66                                       | 41.3                          | 1.275                          | 62.13                                   | 39.8    | 1.561   |         |
| 1950: January.....                                    | 55.11   | 36.4                      | 1.514  | 38.28                 | 36.5                      | 1.048   | 40.23                 | 35.6                      | 1.136                             | 40.99                            | 38.2                  | 1.073                     | 48.02                                       | 39.2                          | 1.225                          | 50.23                                   | 37.4    | 1.543   |         |
| February.....   | 64.26   | 40.2                      | 1.601  | 40.28                 | 37.3                      | 1.080   | 40.50                 | 36.1                      | 1.122                             | 40.84                            | 38.1                  | 1.072                     | 50.55                                       | 39.8                          | 1.270                          | 54.86                                   | 37.6    | 1.459   |         |
| March.....  | 62.56   | 39.2                      | 1.598  | 37.6                  | 36.5                      | 1.062   | 40.76                 | 36.1                      | 1.129                             | 40.32                            | 37.4                  | 1.078                     | 52.24                                       | 40.4                          | 1.293                          | 62.94                                   | 38.4    | 1.638   |         |
| April.....  | 44.91   | 30.7                      | 1.493  | 35.97                 | 35.3                      | 1.019   | 39.33                 | 34.9                      | 1.127                             | 39.81                            | 37.1                  | 1.073                     | 53.36                                       | 40.7                          | 1.311                          | 63.31                                   | 39.2    | 1.666   |         |
| May.....  | 46.00   | 31.7                      | 1.453  | 37.46                 | 36.4                      | 1.029   | 41.70                 | 35.7                      | 1.168                             | 40.77                            | 37.4                  | 1.090                     | 54.38                                       | 40.7                          | 1.336                          | 67.37                                   | 39.7    | 1.697   |         |
| June.....   | 49.72   | 31.1                      | 1.502  | 38.08                 | 36.3                      | 1.040   | 42.59                 | 35.9                      | 1.193                             | 42.19                            | 38.3                  | 1.102                     | 56.28                                       | 41.6                          | 1.353                          | 67.85                                   | 39.7    | 1.709   |         |
| July.....   | 50.55   | 33.7                      | 1.500  | 39.19                 | 36.6                      | 1.066   | 44.10                 | 36.6                      | 1.205                             | 42.72                            | 38.8                  | 1.101                     | 56.28                                       | 41.2                          | 1.366                          | 70.29                                   | 40.7    | 1.727   |         |
| August.....   | 61.22   | 38.7                      | 1.582  | 40.88                 | 37.2                      | 1.099   | 46.31                 | 38.4                      | 1.206                             | 43.55                            | 39.2                  | 1.111                     | 58.46                                       | 42.3                          | 1.382                          | 76.02                                   | 43.0    | 1.768   |         |
| Manufacturing—Continued                               |   |                           |  |                       |                           |   |                       |                           |                                   |                                  |                       |                           |   |                               |                                |   |         |         |         |
| Lumber and wood products (except furniture)—Continued |   |                           |  |                       |                           |   |                       |                           |                                   |                                  |                       |                           |   |                               |                                |   |         |         |         |
| Sawmills and planing mills                            |   |                           | Sawmills and planing mills, general <sup>2</sup> |                       |                           | Millwork, plywood, and prefabricated structural wood products |                       |                           | Millwork                          |                                  |                       | Wooden containers         |   |                               | Wooden boxes, other than cigar |   |         |         |         |
| 1948: Average.....                                    | \$51.83   | 41.5                      | \$1.249  | \$51.87               | 41.4                      | \$1.253   | \$54.95               | 43.3                      | \$1.269                           | \$53.40                          | 43.2                  | \$1.236                   | \$41.57                                     | 41.4                          | \$1.004                        | 842.30                                  | 42.1    | \$1.007 |         |
| 1949: Average.....                                    | 52.37   | 40.6                      | 1.290  | 53.06                 | 40.6                      | 1.307   | 55.06                 | 41.9                      | 1.314                             | 54.23                            | 42.2                  | 1.285                     | 41.90                                       | 40.6                          | 1.032                          | 42.48                                   | 41.0    | 1.036   |         |
| 1949: August.....                                     | 53.53   | 40.8                      | 1.312  | 54.14                 | 40.8                      | 1.327   | 54.19                 | 41.3                      | 1.312                             | 53.71                            | 41.7                  | 1.288                     | 42.03                                       | 39.8                          | 1.056                          | 42.91                                   | 40.1    | 1.070   |         |
| September.....  | 53.45   | 40.6                      | 1.314  | 54.04                 | 40.6                      | 1.331   | 55.66                 | 42.1                      | 1.322                             | 54.91                            | 42.4                  | 1.295                     | 43.04                                       | 40.6                          | 1.060                          | 43.89                                   | 41.1    | 1.068   |         |
| October.....  | 54.54   | 41.6                      | 1.311  | 55.20                 | 41.6                      | 1.329   | 57.68                 | 43.3                      | 1.325                             | 55.51                            | 43.4                  | 1.302                     | 43.38                                       | 41.2                          | 1.053                          | 44.73                                   | 41.8    | 1.070   |         |
| November.....   | 52.89   | 41.0                      | 1.290  | 53.63                 | 41.0                      | 1.308   | 56.18                 | 42.4                      | 1.325                             | 55.94                            | 42.9                  | 1.304                     | 42.02                                       | 40.4                          | 1.040                          | 42.92                                   | 40.8    | 1.049   |         |
| December.....   | 52.31   | 40.8                      | 1.282  | 53.04                 | 40.8                      | 1.300   | 58.87                 | 44.2                      | 1.332                             | 57.82                            | 44.1                  | 1.311                     | 43.37                                       | 41.3                          | 1.030                          | 43.95                                   | 41.7    | 1.054   |         |
| 1950: January.....                                    | 47.38   | 38.3                      | 1.237  | 47.77                 | 38.0                      | 1.257   | 46.14                 | 42.4                      | 1.224                             | 56.07                            | 41.2                  | 1.207                     | 41.27                                       | 39.8                          | 1.037                          | 41.94                                   | 40.4    | 1.038   |         |
| February.....   | 50.59   | 39.4                      | 1.284  | 51.17                 | 39.3                      | 1.302   | 57.04                 | 42.5                      | 1.242                             | 55.76                            | 42.4                  | 1.215                     | 42.82                                       | 39.5                          | 1.084                          | 43.05                                   | 39.9    | 1.079   |         |
| March.....  | 51.85   | 41.1                      | 1.293  | 52.31                 | 39.9                      | 1.311   | 57.74                 | 42.9                      | 1.246                             | 56.49                            | 42.7                  | 1.223                     | 42.85                                       | 39.6                          | 1.082                          | 43.30                                   | 40.2    | 1.077   |         |
| April.....  | 53.10   | 40.5                      | 1.311  | 53.73                 | 40.4                      | 1.330   | 59.00                 | 43.0                      | 1.372                             | 57.56                            | 42.7                  | 1.348                     | 43.81                                       | 39.9                          | 1.098                          | 44.87                                   | 41.2    | 1.089   |         |
| May.....  | 54.19   | 40.5                      | 1.338  | 54.86                 | 40.4                      | 1.358   | 55.25                 | 43.0                      | 1.378                             | 57.83                            | 42.9                  | 1.348                     | 44.47                                       | 40.1                          | 1.109                          | 44.79                                   | 40.9    | 1.095   |         |
| June.....   | 56.08   | 41.6                      | 1.348  | 56.95                 | 41.6                      | 1.369   | 59.27                 | 43.7                      | 1.402                             | 59.69                            | 43.7                  | 1.366                     | 46.48                                       | 40.7                          | 1.142                          | 47.13                                   | 41.6    | 1.133   |         |
| July.....   | 55.71   | 40.9                      | 1.362  | 56.56                 | 40.9                      | 1.383   | 59.85                 | 42.9                      | 1.395                             | 58.67                            | 43.3                  | 1.365                     | 47.60                                       | 41.0                          | 1.161                          | 48.48                                   | 41.9    | 1.157   |         |
| August.....   | 57.71   | 42.0                      | 1.374  | 58.39                 | 42.0                      | 1.395   | 61.93                 | 43.8                      | 1.414                             | 59.18                            | 43.1                  | 1.373                     | 48.46                                       | 41.6                          | 1.165                          | 49.29                                   | 42.2    | 1.168   |         |

See footnotes at end of table.

TABLE C-1: Hours and Gross Earnings of Production Workers or Nonsupervisory Employees<sup>1</sup>—Con.

| Year and month  | Manufacturing—Continued                          |                   |                                  |                               |                      |                                   |                        |                   |                                 |  |                      |                                 |                                       |                   |  |                            |                      |   |  |
|---|--|-------------------|----------------------------------|-------------------------------|----------------------|-----------------------------------|------------------------|-------------------|---------------------------------|--|----------------------|---------------------------------|---------------------------------------|-------------------|--|----------------------------|----------------------|---|--|
|   | Lumber and wood products (except furniture)—Con. |                   |                                  |                               |                      |                                   | Furniture and fixtures |                   |                                 |  |                      |                                 |                                       |                   |  |                            |                      |   |  |
|   | Miscellaneous wood products                      |                   |                                  | Total: Furniture and fixtures |                      |                                   | Household furniture    |                   |                                 | Wood household furniture, except upholstered |                      |                                 | Wood household furniture, upholstered |                   |  | Mattresses and bed-springs |                      |   |  |
|   | Avg. wklly. earnings                             | Avg. wklly. hours | Avg. wklly. earnings             | Avg. wklly. hours             | Avg. wklly. earnings | Avg. wklly. hours                 | Avg. wklly. earnings   | Avg. wklly. hours | Avg. wklly. earnings            | Avg. wklly. hours                            | Avg. wklly. earnings | Avg. wklly. hours               | Avg. wklly. earnings                  | Avg. wklly. hours | Avg. wklly. earnings                               | Avg. wklly. hours          | Avg. wklly. earnings |   |  |
| 1948: Average.....                                    | \$44.06  | 42.0              | \$1,049                          | \$48.99                       | 41.1                 | \$1,192                           | \$46.76                | 40.8              | \$1,146                         | \$43.84                                      | 41.2                 | \$1,064                         | \$50.33                               | 40.1              | \$1,255  | \$50.85                    | 40.1                 | \$1,268                                     |  |
| 1949: Average.....                                    | 44.16  | 40.7              | 1,085                            | 49.48                         | 40.1                 | 1,234                             | 47.04                  | 39.8              | 1,182                           | 43.68  | 40.0                 | 1,092                           | 50.18                                 | 38.9              | 1,290  | 51.69                      | 39.7                 | 1,302                                       |  |
| 1949: August.....                                     | 43.52  | 40.0              | 1,088                            | 49.69                         | 40.4                 | 1,230                             | 47.23                  | 40.3              | 1,172                           | 43.17  | 40.2                 | 1,074                           | 49.82                                 | 39.2              | 1,271  | 53.94                      | 41.4                 | 1,303                                       |  |
| September.....  | 43.96  | 40.0              | 1,090                            | 50.72                         | 41.0                 | 1,237                             | 48.74                  | 41.1              | 1,186                           | 44.17  | 40.9                 | 1,080                           | 52.07                                 | 40.3              | 1,292  | 57.13                      | 42.6                 | 1,341                                       |  |
| October.....  | 45.14  | 41.0              | 1,101                            | 51.42                         | 41.7                 | 1,233                             | 49.74                  | 41.9              | 1,187                           | 46.15  | 42.3                 | 1,091                           | 53.83                                 | 41.5              | 1,297  | 54.18                      | 41.2                 | 1,315                                       |  |
| November.....   | 44.96  | 40.8              | 1,102                            | 50.72                         | 41.2                 | 1,231                             | 48.86                  | 41.3              | 1,183                           | 46.60  | 42.4                 | 1,099                           | 55.53                                 | 42.1              | 1,319  | 45.97                      | 36.4                 | 1,265                                       |  |
| December.....   | 44.54  | 40.9              | 1,089                            | 52.50                         | 42.2                 | 1,244                             | 50.88                  | 42.4              | 1,200                           | 47.10  | 42.7                 | 1,103                           | 57.68                                 | 43.3              | 1,332  | 53.88                      | 40.7                 | 1,323                                       |  |
| 1950: January.....                                    | 43.85  | 40.3              | 1,088                            | 51.13                         | 41.1                 | 1,244                             | 49.36                  | 41.2              | 1,198                           | 46.08  | 41.7                 | 1,105                           | 52.78                                 | 40.2              | 1,313  | 54.54                      | 40.7                 | 1,340                                       |  |
| February.....   | 44.69  | 40.3              | 1,109                            | 51.29                         | 41.7                 | 1,254                             | 50.87                  | 41.9              | 1,214                           | 46.70  | 42.0                 | 1,112                           | 54.95                                 | 41.5              | 1,324  | 57.43                      | 41.8                 | 1,374                                       |  |
| March.....  | 44.91  | 40.5              | 1,109                            | 52.17                         | 41.7                 | 1,251                             | 50.70                  | 41.9              | 1,210                           | 47.21  | 42.3                 | 1,116                           | 54.60                                 | 40.9              | 1,335  | 57.03                      | 41.6                 | 1,371                                       |  |
| April.....  | 45.33  | 40.8              | 1,111                            | 51.67                         | 41.3                 | 1,251                             | 49.85                  | 41.2              | 1,210                           | 46.40  | 41.5                 | 1,118                           | 54.42                                 | 40.7              | 1,331  | 54.28                      | 40.0                 | 1,357                                       |  |
| May.....  | 44.89  | 40.3              | 1,114                            | 51.50                         | 41.2                 | 1,250                             | 50.14                  | 41.4              | 1,211                           | 47.97  | 42.0                 | 1,123                           | 54.72                                 | 40.7              | 1,327  | 52.70                      | 40.8                 | 1,346                                       |  |
| June.....   | 46.16  | 41.1              | 1,123                            | 52.50                         | 41.8                 | 1,256                             | 50.71                  | 41.7              | 1,216                           | 47.52  | 42.2                 | 1,126                           | 54.54                                 | 40.7              | 1,340  | 55.57                      | 40.8                 | 1,362                                       |  |
| July.....   | 45.75  | 40.7              | 1,124                            | 52.15                         | 41.0                 | 1,272                             | 49.45                  | 40.5              | 1,221                           | 46.45  | 41.0                 | 1,133                           | 53.01                                 | 39.8              | 1,332  | 53.63                      | 39.2                 | 1,368                                       |  |
| August.....   | 46.99  | 41.4              | 1,135                            | 55.00                         | 42.8                 | 1,285                             | 52.91                  | 42.7              | 1,239                           | 49.57  | 43.1                 | 1,150                           | 56.63                                 | 41.7              | 1,358  | 57.82                      | 41.9                 | 1,380                                       |  |
| Manufacturing—Continued                               |  |                   |                                  |                               |                      |                                   |                        |                   |                                 |  |                      |                                 |                                       |                   |  |                            |                      |   |  |
| Furniture and fixtures—Continued                      |  |                   |                                  |                               |                      | Paper and allied products         |                        |                   |                                 |  |                      |                                 |                                       |                   |  |                            |                      | Printing, publishing, and allied industries |  |
| Other furniture and fixtures                          |  |                   | Total: Paper and allied products |                               |                      | Pulp, paper, and paperboard mills |                        |                   | Paperboard containers and boxes |  |                      | Other paper and allied products |                                       |                   | Total: Printing, publishing, and allied industries |                            |                      |   |  |
| 1948: Average.....                                    | \$54.59  | 41.7              | \$1,309                          | \$55.25                       | 42.8                 | \$1,291                           | \$59.88                | 44.0              | \$1,361                         | \$50.96                                      | 41.7                 | \$1,222                         | \$49.48                               | 41.3              | \$1,198  | \$66.73                    | 39.3                 | \$1,668                                     |  |
| 1949: Average.....                                    | 55.47  | 40.7              | 1,363                            | 55.96                         | 41.7                 | 1,342                             | 59.83                  | 42.4              | 1,411                           | 52.45  | 41.2                 | 1,273                           | 51.07                                 | 40.6              | 1,258  | 70.28                      | 38.7                 | 1,816                                       |  |
| 1949: August.....                                     | 55.94  | 40.8              | 1,371                            | 56.26                         | 41.8                 | 1,346                             | 50.32                  | 42.6              | 1,416                           | 53.00  | 41.5                 | 1,277                           | 52.82                                 | 40.3              | 1,261  | 70.69                      | 38.5                 | 1,806                                       |  |
| September.....  | 55.91  | 40.9              | 1,367                            | 57.64                         | 42.6                 | 1,353                             | 61.06                  | 43.0              | 1,420                           | 55.30  | 42.9                 | 1,286                           | 52.49                                 | 41.3              | 1,271  | 72.02                      | 39.1                 | 1,842                                       |  |
| October.....  | 55.91  | 41.2              | 1,387                            | 58.36                         | 43.1                 | 1,354                             | 62.10                  | 43.7              | 1,421                           | 56.20  | 43.5                 | 1,292                           | 52.54                                 | 41.4              | 1,269  | 71.22                      | 38.6                 | 1,845                                       |  |
| November.....   | 55.90  | 41.1              | 1,360                            | 58.31                         | 43.0                 | 1,356                             | 62.09                  | 43.6              | 1,424                           | 56.20  | 43.5                 | 1,292                           | 52.11                                 | 41.0              | 1,271  | 70.91                      | 38.6                 | 1,837                                       |  |
| December.....   | 56.65  | 41.6              | 1,365                            | 58.09                         | 42.9                 | 1,354                             | 62.09                  | 43.6              | 1,424                           | 55.21  | 42.9                 | 1,287                           | 51.99                                 | 41.1              | 1,265  | 72.27                      | 39.3                 | 1,839                                       |  |
| 1950: January.....                                    | 56.13  | 41.0              | 1,369                            | 57.56                         | 42.2                 | 1,364                             | 61.62                  | 43.0              | 1,433                           | 53.57  | 41.4                 | 1,294                           | 52.69                                 | 41.2              | 1,279  | 70.49                      | 38.5                 | 1,831                                       |  |
| February.....   | 56.28  | 41.2              | 1,366                            | 57.80                         | 42.5                 | 1,361                             | 61.71                  | 43.4              | 1,422                           | 54.17  | 41.7                 | 1,299                           | 53.03                                 | 41.4              | 1,281  | 70.75                      | 38.2                 | 1,852                                       |  |
| March.....  | 56.14  | 41.1              | 1,366                            | 58.06                         | 42.6                 | 1,365                             | 61.89                  | 43.4              | 1,426                           | 54.77  | 42.0                 | 1,304                           | 53.20                                 | 41.5              | 1,282  | 72.14                      | 38.6                 | 1,869                                       |  |
| April.....  | 56.52  | 41.5              | 1,362                            | 58.20                         | 42.3                 | 1,376                             | 62.42                  | 43.2              | 1,445                           | 54.03  | 41.4                 | 1,305                           | 53.27                                 | 41.2              | 1,293  | 72.18                      | 38.6                 | 1,870                                       |  |
| May.....  | 55.41  | 40.8              | 1,358                            | 58.08                         | 42.3                 | 1,373                             | 61.82                  | 43.2              | 1,434                           | 54.74  | 41.5                 | 1,319                           | 54.35                                 | 41.2              | 1,295  | 72.64                      | 38.7                 | 1,877                                       |  |
| June.....   | 57.60  | 42.2              | 1,365                            | 60.03                         | 43.0                 | 1,396                             | 64.21                  | 43.8              | 1,466                           | 56.62  | 42.6                 | 1,329                           | 54.50                                 | 41.7              | 1,309  | 72.72                      | 38.7                 | 1,879                                       |  |
| July.....   | 59.47  | 42.3              | 1,406                            | 61.45                         | 43.4                 | 1,416                             | 65.95                  | 44.2              | 1,492                           | 57.70  | 42.9                 | 1,345                           | 55.31                                 | 42.0              | 1,317  | 72.41                      | 38.6                 | 1,876                                       |  |
| August.....   | 60.91  | 43.2              | 1,410                            | 62.80                         | 44.1                 | 1,424                             | 67.14                  | 44.7              | 1,502                           | 59.76  | 44.1                 | 1,355                           | 56.71                                 | 42.7              | 1,328  | 73.09                      | 38.9                 | 1,879                                       |  |
| Manufacturing—Continued                               |  |                   |                                  |                               |                      |                                   |                        |                   |                                 |  |                      |                                 |                                       |                   |  |                            |                      |   |  |
| Printing, publishing, and allied industries—Continued |  |                   |                                  |                               |                      |                                   |                        |                   |                                 |  |                      |                                 |                                       |                   |  |                            |                      |   |  |
| Newspapers  |  |                   | Periodicals                      |                               |                      | Books                             |                        |                   | Commercial printing             |  |                      | Lithographing                   |                                       |                   | Other printing and publishing                      |                            |                      |   |  |
| 1948: Average.....                                    | 674.00   | 37.6              | \$1,968                          | \$69.55                       | 40.6                 | \$1,713                           | \$57.43                | 38.7              | \$1,484                         | \$66.33                                      | 40.3                 | \$1,646                         | \$64.15                               | 39.5              | \$1,624  | \$59.93                    | 39.3                 | \$1,525                                     |  |
| 1949: Average.....                                    | 78.37  | 37.3              | 2,101                            | 70.21                         | 38.9                 | 1,805                             | 61.07                  | 38.6              | 1,582                           | 69.44  | 39.7                 | 1,749                           | 69.17                                 | 39.3              | 1,760  | 62.66                      | 38.7                 | 1,619                                       |  |
| 1949: August.....                                     | 77.80  | 38.8              | 2,114                            | 70.90                         | 39.0                 | 1,818                             | 63.30                  | 39.1              | 1,619                           | 69.66  | 39.6                 | 1,759                           | 71.22                                 | 39.8              | 1,803  | 63.24                      | 38.4                 | 1,647                                       |  |
| September.....  | 80.14  | 37.2              | 2,137                            | 74.20                         | 40.0                 | 1,855                             | 65.17                  | 40.3              | 1,617                           | 70.22  | 39.9                 | 1,760                           | 73.71                                 | 40.7              | 1,811  | 63.09                      | 38.8                 | 1,626                                       |  |
| October.....  | 80.05  | 37.5              | 2,135                            | 71.00                         | 38.8                 | 1,830                             | 62.48                  | 39.0              | 1,602                           | 69.34  | 39.5                 | 1,766                           | 73.12                                 | 40.6              | 1,801  | 62.05                      | 37.7                 | 1,646                                       |  |
| November.....   | 79.05  | 37.2              | 2,125                            | 70.21                         | 38.6                 | 1,819                             | 61.05                  | 37.8              | 1,615                           | 69.36  | 39.3                 | 1,765                           | 72.35                                 | 40.7              | 1,778  | 63.73                      | 39.0                 | 1,634                                       |  |
| December.....   | 81.50  | 38.1              | 2,139                            | 70.67                         | 38.7                 | 1,826                             | 61.83                  | 38.5              | 1,600                           | 71.17  | 40.3                 | 1,766                           | 70.89                                 | 40.6              | 1,746  | 64.59                      | 39.6                 | 1,631                                       |  |
| 1950: January.....                                    | 76.43  | 36.5              | 2,094                            | 69.94                         | 38.6                 | 1,812                             | 61.76                  | 38.1              | 1,621                           | 70.80  | 40.0                 | 1,770                           | 69.03                                 | 38.5              | 1,793  | 64.48                      | 39.2                 | 1,645                                       |  |
| February.....   | 76.38  | 36.3              | 2,104                            | 72.15                         | 39.3                 | 1,836                             | 60.50                  | 37.3              | 1,622                           | 70.70  | 39.3                 | 1,799                           | 70.07                                 | 38.8              | 1,806  | 64.77                      | 38.9                 | 1,665                                       |  |
| March.....  | 78.42  | 36.8              | 2,131                            | 74.12                         | 39.7                 | 1,867                             | 62.79                  | 38.5              | 1,631                           | 71.56  | 39.6                 | 1,807                           | 71.34                                 | 39.2              | 1,820  | 65.16                      | 38.9                 | 1,675                                       |  |
| April.....  | 77.88  | 37.1              | 2,153                            | 72.41                         | 39.1                 | 1,852                             | 64.05                  | 39.2              | 1,634                           | 70.88  | 39.4                 | 1,799                           | 71.58                                 | 39.2              | 1,828  | 64.54                      | 38.9                 | 1,659                                       |  |
| May.....  | 81.05  | 37.3              | 2,173                            | 71.60                         | 38.6                 | 1,855                             | 64.33                  | 39.3              | 1,637                           | 71.68  | 39.8                 | 1,801                           | 71.74                                 | 39.7              | 1,807  | 63.39                      | 38.3                 | 1,655                                       |  |
| June.....   | 80.76  | 37.2              | 2,171                            | 71.92                         | 39.0                 | 1,844                             | 64.11                  | 39.5              | 1,623                           | 71.79  | 39.6                 | 1,813                           | 72.23                                 | 39.6              | 1,824  | 64.00                      | 38.6                 | 1,658                                       |  |
| July.....   | 79.13  | 36.6              | 2,162                            | 72.56                         | 39.2                 | 1,851                             | 63.34                  | 39.0              | 1,624                           | 71.79  | 39.6                 | 1,813                           | 73.07                                 | 39.8              | 1,836  | 64.99                      | 39.2                 | 1,658                                       |  |
| August.....   | 78.59  | 36.4              | 2,159                            | 74.73                         | 39.5                 | 1,892                             | 66.87                  | 40.5              | 1,651                           | 72.42  | 40.1                 | 1,806                           | 76.43                                 | 41.2              | 1,855  | 66.15                      | 39.4                 | 1,679                                       |  |

See footnotes at end of table.

TABLE C-1: Hours and Gross Earnings of Production Workers or Nonsupervisory Employees<sup>1</sup>—Con.

| Year and month                          | Manufacturing—Continued              |                  |                               |                                |                  |                     |                              |                  |                                    |                                   |                     |                                     |                     |                  |                       |                  |                     |         |
|---|--------------------------------------|------------------|-------------------------------|--------------------------------|------------------|---------------------|------------------------------|------------------|------------------------------------|-----------------------------------|---------------------|-------------------------------------|---------------------|------------------|-----------------------|------------------|---------------------|---------|
|   | Chemicals and allied products        |                  |                               |                                |                  |                     |                              |                  |                                    |                                   |                     |                                     |                     |                  |                       |                  |                     |         |
|   | Total: Chemicals and allied products |                  |                               | Industrial inorganic chemicals |                  |                     | Industrial organic chemicals |                  |                                    | Plastics, except synthetic rubber |                     |                                     | Synthetic rubber    |                  |                       | Synthetic fibers |                     |         |
|   | Avg. wkly. earnings                  | Avg. wkly. hours | Avg. hrly. earnings           | Avg. wkly. earnings            | Avg. wkly. hours | Avg. hrly. earnings | Avg. wkly. earnings          | Avg. wkly. hours | Avg. hrly. earnings                | Avg. wkly. hours                  | Avg. hrly. earnings | Avg. wkly. hours                    | Avg. wkly. earnings | Avg. wkly. hours | Avg. hrly. earnings   | Avg. wkly. hours | Avg. hrly. earnings |         |
| 1948: Average.....                      | \$56.23                              | 41.5             | \$1.355                       | \$62.13                        | 40.9             | \$1.519             | \$57.69                      | 40.4             | \$1.428                            | \$58.75                           | 41.4                | \$1.419                             | \$62.88             | 39.9             | \$1.576               | \$53.05          | 39.5                | \$1.343 |
| 1949: Average.....                      | 58.63                                | 41.0             | 1.430                         | 63.90                          | 40.6             | 1.574               | 60.83                        | 39.5             | 1.540                              | 60.36                             | 40.4                | 1.494                               | 66.74               | 39.8             | 1.677                 | 55.20            | 38.6                | 1.430   |
| 1949: August.....                       | 58.77                                | 40.5             | 1.451                         | 63.20                          | 40.1             | 1.576               | 60.68                        | 39.2             | 1.548                              | 60.56                             | 40.0                | 1.489                               | 67.62               | 39.8             | 1.699                 | 54.02            | 37.7                | 1.433   |
| September.....                          | 59.66                                | 41.4             | 1.441                         | 64.96                          | 40.7             | 1.596               | 62.33                        | 39.8             | 1.566                              | 62.45                             | 41.3                | 1.512                               | 67.97               | 39.7             | 1.712                 | 55.96            | 38.7                | 1.446   |
| October.....                            | 59.51                                | 41.7             | 1.427                         | 64.55                          | 40.8             | 1.582               | 62.20                        | 39.9             | 1.559                              | 62.13                             | 41.2                | 1.508                               | 68.99               | 40.7             | 1.695                 | 55.63            | 38.9                | 1.430   |
| November.....                           | 59.43                                | 41.5             | 1.452                         | 64.68                          | 40.6             | 1.593               | 62.44                        | 40.0             | 1.561                              | 61.80                             | 40.9                | 1.511                               | 67.78               | 40.2             | 1.686                 | 56.20            | 39.3                | 1.430   |
| December.....                           | 59.78                                | 41.6             | 1.437                         | 64.99                          | 40.8             | 1.592               | 62.75                        | 40.2             | 1.561                              | 61.58                             | 40.9                | 1.505                               | 68.27               | 40.3             | 1.694                 | 56.37            | 39.5                | 1.427   |
| 1950: January.....                      | 60.05                                | 41.3             | 1.454                         | 64.64                          | 40.2             | 1.608               | 63.63                        | 40.3             | 1.579                              | 63.84                             | 42.0                | 1.520                               | 68.48               | 39.7             | 1.725                 | 56.45            | 39.2                | 1.440   |
| February.....                           | 59.96                                | 41.1             | 1.450                         | 65.12                          | 40.7             | 1.600               | 62.64                        | 40.0             | 1.566                              | 61.90                             | 40.9                | 1.515                               | 68.22               | 40.2             | 1.697                 | 55.99            | 39.1                | 1.432   |
| March.....                              | 60.09                                | 41.1             | 1.462                         | 65.48                          | 40.8             | 1.605               | 62.56                        | 40.0             | 1.564                              | 62.36                             | 41.0                | 1.521                               | 68.63               | 40.5             | 1.702                 | 55.97            | 39.0                | 1.435   |
| April.....                              | 60.56                                | 41.2             | 1.470                         | 65.77                          | 40.9             | 1.608               | 63.12                        | 40.1             | 1.574                              | 62.53                             | 41.0                | 1.525                               | 70.96               | 41.4             | 1.714                 | 56.52            | 38.9                | 1.433   |
| May.....                                | 61.18                                | 41.2             | 1.485                         | 65.85                          | 40.7             | 1.618               | 63.91                        | 40.5             | 1.578                              | 63.37                             | 41.2                | 1.538                               | 70.78               | 41.0             | 1.719                 | 57.35            | 39.5                | 1.452   |
| June.....                               | 62.39                                | 41.4             | 1.507                         | 65.32                          | 39.9             | 1.637               | 65.16                        | 40.8             | 1.597                              | 65.23                             | 42.0                | 1.563                               | 70.78               | 40.7             | 1.739                 | 57.76            | 39.4                | 1.466   |
| July.....                               | 62.84                                | 41.1             | 1.529                         | 66.98                          | 40.3             | 1.662               | 66.14                        | 40.6             | 1.629                              | 65.86                             | 42.0                | 1.568                               | 72.54               | 40.3             | 1.800                 | 58.12            | 38.9                | 1.494   |
| August.....                             | 63.14                                | 41.4             | 1.525                         | 66.95                          | 40.7             | 1.645               | 65.77                        | 40.5             | 1.624                              | 63.90                             | 40.7                | 1.570                               | 70.98               | 41.1             | 1.727                 | 59.23            | 39.3                | 1.507   |
| Manufacturing—Continued                 |                                      |                  |                               |                                |                  |                     |                              |                  |                                    |                                   |                     |                                     |                     |                  |                       |                  |                     |         |
| Chemicals and allied products—Continued |                                      |                  |                               |                                |                  |                     |                              |                  |                                    |                                   |                     |                                     |                     |                  |                       |                  |                     |         |
| Drugs and medicines                     |                                      |                  | Paints, pigments, and fillers |                                |                  | Fertilizers         |                              |                  | Vegetable and animal oils and fats |                                   |                     | Other chemicals and allied products |                     |                  | Soap and glycerin     |                  |                     |         |
| 1948: Average.....                      | \$53.71                              | 40.6             | \$1.323                       | \$58.40                        | 42.2             | \$1.384             | \$42.33                      | 41.5             | \$1.020                            | \$50.39                           | 47.4                | \$1.063                             | \$57.90             | 41.3             | \$1.402               | \$65.90          | 42.0                | \$1.569 |
| 1949: Average.....                      | 56.60                                | 40.4             | 1.401                         | 59.78                          | 41.0             | 1.458               | 44.72                        | 41.6             | 1.075                              | 51.12                             | 42.7                | 1.083                               | 60.67               | 40.8             | 1.487                 | 66.54            | 40.9                | 1.622   |
| 1949: August.....                       | 56.72                                | 40.9             | 1.406                         | 59.51                          | 41.1             | 1.446               | 45.21                        | 41.1             | 1.100                              | 52.36                             | 44.7                | 1.170                               | 61.62               | 40.9             | 1.492                 | 69.79            | 41.2                | 1.625   |
| September.....                          | 56.98                                | 40.4             | 1.410                         | 60.88                          | 41.5             | 1.467               | 44.99                        | 40.9             | 1.109                              | 51.02                             | 48.0                | 1.063                               | 62.12               | 41.3             | 1.504                 | 68.30            | 41.7                | 1.638   |
| October.....                            | 57.16                                | 40.6             | 1.408                         | 60.90                          | 41.4             | 1.471               | 43.66                        | 40.8             | 1.070                              | 51.08                             | 49.5                | 1.032                               | 62.57               | 41.6             | 1.504                 | 68.97            | 41.9                | 1.646   |
| November.....                           | 57.51                                | 40.7             | 1.413                         | 60.43                          | 41.0             | 1.474               | 43.20                        | 40.3             | 1.072                              | 51.24                             | 49.7                | 1.031                               | 61.58               | 41.0             | 1.502                 | 67.20            | 41.0                | 1.639   |
| December.....                           | 57.21                                | 40.6             | 1.409                         | 61.00                          | 41.1             | 1.483               | 41.1                         | 40.8             | 1.080                              | 50.86                             | 49.0                | 1.030                               | 62.02               | 41.1             | 1.509                 | 67.56            | 40.7                | 1.660   |
| 1950: January.....                      | 57.37                                | 40.6             | 1.413                         | 61.21                          | 41.0             | 1.493               | 44.80                        | 40.8             | 1.098                              | 49.89                             | 47.2                | 1.057                               | 62.79               | 41.2             | 1.524                 | 68.14            | 40.9                | 1.666   |
| February.....                           | 58.04                                | 40.7             | 1.426                         | 61.98                          | 41.4             | 1.497               | 44.40                        | 40.7             | 1.091                              | 50.71                             | 45.2                | 1.122                               | 62.62               | 41.2             | 1.520                 | 68.51            | 41.1                | 1.667   |
| March.....                              | 58.53                                | 40.9             | 1.431                         | 62.38                          | 41.7             | 1.496               | 44.84                        | 41.1             | 1.091                              | 50.82                             | 44.5                | 1.142                               | 62.87               | 41.2             | 1.521                 | 69.50            | 41.2                | 1.687   |
| April.....                              | 58.67                                | 40.8             | 1.438                         | 62.89                          | 41.9             | 1.501               | 46.44                        | 41.8             | 1.111                              | 51.57                             | 44.3                | 1.164                               | 62.82               | 41.3             | 1.521                 | 68.88            | 40.9                | 1.684   |
| May.....                                | 58.75                                | 40.8             | 1.440                         | 63.53                          | 42.3             | 1.502               | 47.92                        | 41.6             | 1.152                              | 52.82                             | 44.2                | 1.195                               | 62.28               | 41.0             | 1.519                 | 68.74            | 40.7                | 1.689   |
| June.....                               | 59.27                                | 41.1             | 1.442                         | 64.91                          | 42.9             | 1.513               | 49.52                        | 42.0             | 1.179                              | 53.87                             | 43.9                | 1.227                               | 63.38               | 41.4             | 1.531                 | 69.96            | 41.2                | 1.698   |
| July.....                               | 58.17                                | 39.9             | 1.458                         | 65.03                          | 42.5             | 1.505               | 49.36                        | 41.9             | 1.178                              | 55.02                             | 43.6                | 1.262                               | 63.52               | 41.3             | 1.538                 | 70.20            | 41.1                | 1.708   |
| August.....                             | 59.67                                | 40.7             | 1.466                         | 66.81                          | 43.3             | 1.543               | 47.77                        | 41.0             | 1.165                              | 54.50                             | 44.2                | 1.233                               | 64.54               | 41.8             | 1.544                 | 74.30            | 42.8                | 1.736   |
| Manufacturing—Continued                 |                                      |                  |                               |                                |                  |                     |                              |                  |                                    |                                   |                     |                                     |                     |                  |                       |                  |                     |         |
| Products of petroleum and coal          |                                      |                  |                               |                                |                  |                     |                              |                  |                                    |                                   |                     |                                     |                     |                  |                       |                  |                     |         |
| Total: Products of petroleum and coal   |                                      |                  | Petroleum refining            |                                |                  | Coke and byproducts |                              |                  | Other petroleum and coal products  |                                   |                     | Rubber products                     |                     |                  | Tires and inner tubes |                  |                     |         |
| 1948: Average.....                      | \$69.23                              | 40.7             | \$1.701                       | \$72.06                        | 40.3             | \$1.788             | \$58.56                      | 39.7             | \$1.475                            | \$60.59                           | 44.1                | \$1.374                             | \$56.78             | 39.0             | \$1.456               | \$62.16          | 37.2                | \$1.671 |
| 1949: Average.....                      | 72.36                                | 40.4             | 1.791                         | 75.33                          | 40.2             | 1.874               | 61.07                        | 39.3             | 1.554                              | 61.18                             | 42.9                | 1.426                               | 57.79               | 38.3             | 1.509                 | 63.26            | 36.4                | 1.738   |
| 1949: August.....                       | 72.38                                | 40.3             | 1.796                         | 75.10                          | 39.8             | 1.887               | 60.79                        | 39.4             | 1.543                              | 63.26                             | 44.3                | 1.428                               | 57.72               | 38.3             | 1.507                 | 62.32            | 36.0                | 1.731   |
| September.....                          | 74.47                                | 41.1             | 1.812                         | 77.11                          | 40.5             | 1.904               | 61.43                        | 39.1             | 1.571                              | 67.43                             | 46.6                | 1.447                               | 61.01               | 40.3             | 1.514                 | 69.95            | 39.1                | 1.789   |
| October.....                            | 74.09                                | 41.0             | 1.807                         | 76.13                          | 40.3             | 1.889               | 61.50                        | 39.5             | 1.557                              | 67.30                             | 45.7                | 1.474                               | 59.57               | 39.4             | 1.512                 | 64.83            | 37.3                | 1.738   |
| November.....                           | 72.12                                | 40.0             | 1.803                         | 75.44                          | 40.0             | 1.886               | 57.09                        | 36.2             | 1.577                              | 62.36                             | 42.8                | 1.457                               | 57.91               | 34.4             | 1.508                 | 63.91            | 36.9                | 1.732   |
| December.....                           | 71.74                                | 39.9             | 1.798                         | 74.83                          | 39.7             | 1.885               | 61.11                        | 39.4             | 1.551                              | 59.14                             | 41.3                | 1.432                               | 59.04               | 39.2             | 1.506                 | 64.79            | 37.3                | 1.737   |
| 1950: January.....                      | 73.79                                | 40.7             | 1.813                         | 77.41                          | 40.7             | 1.902               | 61.93                        | 39.8             | 1.556                              | 58.56                             | 41.3                | 1.418                               | 60.52               | 39.4             | 1.536                 | 67.70            | 38.4                | 1.763   |
| February.....                           | 71.64                                | 39.8             | 1.800                         | 74.84                          | 39.6             | 1.890               | 61.17                        | 39.8             | 1.537                              | 58.94                             | 41.3                | 1.427                               | 59.90               | 39.2             | 1.528                 | 67.22            | 38.3                | 1.755   |
| March.....                              | 71.54                                | 39.7             | 1.802                         | 74.88                          | 39.6             | 1.891               | 58.90                        | 38.1             | 1.546                              | 60.00                             | 41.9                | 1.432                               | 59.70               | 39.3             | 1.519                 | 65.26            | 37.4                | 1.745   |
| April.....                              | 73.85                                | 40.8             | 1.810                         | 77.11                          | 40.5             | 1.904               | 62.60                        | 40.0             | 1.595                              | 63.00                             | 43.3                | 1.455                               | 61.76               | 40.0             | 1.544                 | 66.23            | 39.0                | 1.775   |
| May.....                                | 73.28                                | 40.6             | 1.805                         | 75.73                          | 39.9             | 1.898               | 61.85                        | 39.8             | 1.554                              | 67.44                             | 45.2                | 1.492                               | 64.52               | 41.2             | 1.566                 | 74.60            | 41.1                | 1.815   |
| June.....                               | 74.37                                | 41.0             | 1.814                         | 76.82                          | 40.2             | 1.911               | 62.73                        | 39.7             | 1.580                              | 69.13                             | 46.3                | 1.493                               | 65.08               | 41.4             | 1.572                 | 74.05            | 40.6                | 1.824   |
| July.....                               | 76.31                                | 41.7             | 1.830                         | 78.93                          | 41.0             | 1.925               | 63.33                        | 39.6             | 1.599                              | 70.81                             | 46.8                | 1.513                               | 66.19               | 41.5             | 1.595                 | 76.30            | 40.8                | 1.870   |
| August.....                             | 74.22                                | 40.8             | 1.819                         | 76.14                          | 39.8             | 1.913               | 63.72                        | 40.2             | 1.585                              | 71.12                             | 47.1                | 1.510                               | 67.61               | 42.6             | 1.587                 | 78.35            | 41.9                | 1.870   |

See footnotes at end of table.

TABLE C-1: Hours and Gross Earnings of Production Workers or Nonsupervisory Employees<sup>1</sup>—Con.

| Year and month                            | Manufacturing—Continued   |                 |                          |                       |                              |                     |                                     |  |                         |                 |                     |                   |                          |                                       |                          |                        |                          |         |
|---|---------------------------|-----------------|--------------------------|-----------------------|------------------------------|---------------------|-------------------------------------|--|-------------------------|-----------------|---------------------|-------------------|--------------------------|---------------------------------------|--------------------------|------------------------|--------------------------|---------|
|   | Rubber products—Continued |                 |                          |                       |                              |                     | Leather and leather products        |  |                         |                 |                     |                   |                          |                                       |                          |                        |                          |         |
|   | Rubber footwear           |                 |                          | Other rubber products |                              |                     | Total: Leather and leather products |  |                         | Leather         |                     |                   | Footwear (except rubber) |                                       |                          | Other leather products |                          |         |
|   | Avg. wky. earnings        | Avg. wky. hours | Avg. hrly. earnings      | Avg. wky. earnings    | Avg. wky. hours              | Avg. hrly. earnings | Avg. wky. earnings                  | Avg. wky. hours                        | Avg. hrly. earnings     | Avg. wky. hours | Avg. hrly. earnings | Avg. wky. hours   | Avg. wky. earnings       | Avg. wky. hours                       | Avg. wky. earnings       | Avg. wky. hours        | Avg. wky. earnings       |         |
| 1948: Average.....                        | \$51.75                   | 41.8            | \$1.238                  | \$52.47               | 40.3                         | \$1.302             | \$41.66                             | 37.2                                   | \$1.120                 | \$53.26         | 39.6                | \$1.345           | \$39.71                  | 36.6                                  | \$1.085                  | \$40.49                | 37.7                     | \$1.074 |
| 1949: Average.....                        | 48.94                     | 38.6            | 52.38                    | 40.1                  | 1.358                        | 41.61               | 36.6                                | 1.137                                  | 54.11                   | 38.9            | 1.391               | 39.35             | 35.9                     | 1.096                                 | 41.10                    | 37.5                   | 1.090                    |         |
| 1949: August.....                         | 48.78                     | 38.9            | 51.254                   | 55.46                 | 40.6                         | 1.366               | 42.00                               | 37.2                                   | 1.129                   | 54.34           | 38.9                | 1.397             | 40.04                    | 36.7                                  | 1.091                    | 40.83                  | 37.6                     | 1.086   |
| September.....                            | 51.71                     | 40.4            | 52.00                    | 56.50                 | 41.3                         | 1.368               | 41.99                               | 36.8                                   | 1.141                   | 54.76           | 39.0                | 1.404             | 39.74                    | 36.0                                  | 1.104                    | 41.46                  | 38.0                     | 1.091   |
| October.....                              | 49.81                     | 39.1            | 51.274                   | 57.06                 | 40.5                         | 1.375               | 41.72                               | 36.5                                   | 1.143                   | 55.09           | 39.1                | 1.409             | 38.61                    | 35.1                                  | 1.100                    | 42.72                  | 38.8                     | 1.101   |
| November.....                             | 50.51                     | 39.9            | 51.265                   | 54.04                 | 39.4                         | 1.368               | 40.56                               | 35.1                                   | 1.142                   | 54.50           | 38.9                | 1.401             | 36.40                    | 33.3                                  | 1.093                    | 41.66                  | 37.8                     | 1.102   |
| December.....                             | 50.23                     | 39.8            | 51.262                   | 53.66                 | 42.03                        | 1.361               | 42.03                               | 37.1                                   | 1.133                   | 55.50           | 39.5                | 1.403             | 39.20                    | 36.2                                  | 1.083                    | 42.29                  | 38.2                     | 1.107   |
| 1950: January.....                        | 45.87                     | 35.7            | 1.285                    | 57.04                 | 41.3                         | 1.281               | 42.90                               | 37.7                                   | 1.138                   | 55.34           | 39.0                | 1.419             | 40.77                    | 37.4                                  | 1.090                    | 42.21                  | 38.1                     | 1.108   |
| February.....                             | 43.06                     | 34.2            | 1.259                    | 56.43                 | 41.1                         | 1.373               | 44.08                               | 38.1                                   | 1.157                   | 55.29           | 39.1                | 1.414             | 42.22                    | 37.8                                  | 1.117                    | 42.90                  | 38.2                     | 1.123   |
| March.....                                | 51.04                     | 40.0            | 1.276                    | 56.16                 | 40.9                         | 1.273               | 44.15                               | 37.9                                   | 1.165                   | 54.89           | 38.9                | 1.411             | 42.15                    | 37.4                                  | 1.127                    | 43.73                  | 38.7                     | 1.130   |
| April.....                                | 50.36                     | 39.5            | 51.275                   | 57.13                 | 41.1                         | 1.390               | 41.96                               | 35.8                                   | 1.172                   | 54.44           | 38.5                | 1.414             | 39.18                    | 34.7                                  | 1.129                    | 42.75                  | 37.5                     | 1.140   |
| May.....                                  | 50.20                     | 39.4            | 51.274                   | 57.92                 | 41.7                         | 1.389               | 41.56                               | 35.4                                   | 1.174                   | 55.00           | 38.9                | 1.414             | 38.48                    | 34.2                                  | 1.125                    | 42.58                  | 36.9                     | 1.154   |
| June.....                                 | 52.07                     | 40.3            | 51.292                   | 59.23                 | 42.4                         | 1.397               | 43.60                               | 37.2                                   | 1.172                   | 56.57           | 39.7                | 1.425             | 40.84                    | 36.4                                  | 1.122                    | 44.39                  | 38.3                     | 1.159   |
| July.....                                 | 52.13                     | 39.7            | 51.313                   | 59.60                 | 42.6                         | 1.399               | 44.73                               | 38.1                                   | 1.174                   | 56.65           | 39.7                | 1.427             | 42.49                    | 37.7                                  | 1.127                    | 44.20                  | 38.2                     | 1.157   |
| August.....                               | 54.27                     | 42.3            | 1.283                    | 60.48                 | 43.2                         | 1.400               | 46.45                               | 39.2                                   | 1.185                   | 58.49           | 40.7                | 1.437             | 44.35                    | 38.8                                  | 1.143                    | 45.82                  | 39.6                     | 1.157   |
| Manufacturing—Continued                   |                           |                 |                          |                       |                              |                     |                                     |  |                         |                 |                     |                   |                          |                                       |                          |                        |                          |         |
| Stone, clay, and glass products           |                           |                 |                          |                       |                              |                     |                                     |  |                         |                 |                     |                   |                          |                                       |                          |                        |                          |         |
| Total: Stone, clay, and glass products    |                           |                 | Glass and glass products |                       |                              | Glass containers    |                                     |  | Pressed and blown glass |                 |                     | Cement, hydraulic |                          |                                       | Structural clay products |                        |                          |         |
| 1948: Average.....                        | \$53.46                   | 40.9            | \$1.307                  | \$54.06               | 39.2                         | \$1.379             | \$52.05                             | 39.7                                   | \$1.311                 | \$47.61         | 38.8                | \$1.227           | \$54.76                  | 41.9                                  | \$1.307                  | \$49.57                | 40.4                     | \$1.227 |
| 1949: Average.....                        | 54.45                     | 39.8            | 1.368                    | 56.71                 | 39.0                         | 1.454               | 53.80                               | 39.3                                   | 1.369                   | 50.30           | 38.6                | 1.303             | 57.49                    | 41.6                                  | 1.382                    | 49.73                  | 39.0                     | 1.275   |
| 1949: August.....                         | 54.17                     | 59.5            | 1.368                    | 56.08                 | 39.0                         | 1.438               | 53.58                               | 39.6                                   | 1.353                   | 49.15           | 38.1                | 1.290             | 58.36                    | 41.6                                  | 1.403                    | 49.51                  | 38.8                     | 1.274   |
| September.....                            | 54.73                     | 39.6            | 1.382                    | 55.89                 | 39.2                         | 1.463               | 51.59                               | 37.3                                   | 1.383                   | 50.53           | 38.9                | 1.299             | 59.16                    | 41.6                                  | 1.422                    | 50.04                  | 39.0                     | 1.283   |
| October.....                              | 55.51                     | 40.1            | 1.374                    | 57.04                 | 39.5                         | 1.444               | 54.81                               | 40.3                                   | 1.360                   | 50.62           | 39.0                | 1.268             | 59.40                    | 42.1                                  | 1.411                    | 49.83                  | 38.9                     | 1.281   |
| November.....                             | 55.28                     | 40.0            | 1.382                    | 57.19                 | 39.2                         | 1.459               | 54.62                               | 39.9                                   | 1.369                   | 51.28           | 38.7                | 1.325             | 57.66                    | 41.1                                  | 1.403                    | 49.59                  | 38.5                     | 1.285   |
| December.....                             | 55.65                     | 40.3            | 1.381                    | 58.16                 | 39.7                         | 1.465               | 54.23                               | 39.5                                   | 1.373                   | 51.63           | 39.5                | 1.307             | 57.81                    | 41.5                                  | 1.393                    | 49.92                  | 39.0                     | 1.280   |
| 1950: January.....                        | 55.32                     | 39.8            | 1.390                    | 59.31                 | 39.7                         | 1.494               | 55.28                               | 39.6                                   | 1.396                   | 51.39           | 38.9                | 1.321             | 57.55                    | 40.9                                  | 1.407                    | 49.52                  | 38.6                     | 1.283   |
| February.....                             | 55.56                     | 40.0            | 1.389                    | 59.36                 | 40.0                         | 1.484               | 54.93                               | 39.6                                   | 1.387                   | 50.90           | 39.0                | 1.305             | 57.73                    | 41.5                                  | 1.391                    | 49.37                  | 38.6                     | 1.279   |
| March.....                                | 55.70                     | 40.1            | 1.389                    | 59.35                 | 40.1                         | 1.480               | 54.79                               | 39.7                                   | 1.380                   | 51.29           | 39.3                | 1.305             | 57.47                    | 41.2                                  | 1.395                    | 49.90                  | 38.8                     | 1.286   |
| April.....                                | 55.56                     | 40.4            | 1.400                    | 59.58                 | 40.2                         | 1.482               | 55.42                               | 40.1                                   | 1.382                   | 49.87           | 38.6                | 1.292             | 58.88                    | 41.7                                  | 1.412                    | 52.37                  | 40.1                     | 1.306   |
| May.....                                  | 57.28                     | 40.8            | 1.404                    | 59.78                 | 40.5                         | 1.476               | 54.98                               | 40.4                                   | 1.361                   | 50.96           | 39.2                | 1.300             | 59.13                    | 41.7                                  | 1.415                    | 53.27                  | 40.2                     | 1.325   |
| June.....                                 | 58.12                     | 41.1            | 1.414                    | 59.74                 | 40.2                         | 1.496               | 55.23                               | 40.4                                   | 1.367                   | 50.27           | 38.4                | 1.309             | 60.27                    | 42.0                                  | 1.435                    | 54.09                  | 40.7                     | 1.329   |
| July.....                                 | 58.55                     | 40.8            | 1.405                    | 60.33                 | 39.3                         | 1.535               | 55.00                               | 39.2                                   | 1.403                   | 49.69           | 37.7                | 1.326             | 61.30                    | 41.7                                  | 1.470                    | 54.00                  | 40.6                     | 1.330   |
| August.....                               | 59.39                     | 41.5            | 1.431                    | 59.39                 | 39.7                         | 1.496               | 52.95                               | 38.4                                   | 1.379                   | 51.84           | 39.6                | 1.309             | 61.27                    | 42.2                                  | 1.452                    | 54.65                  | 41.0                     | 1.333   |
| Manufacturing—Continued                   |                           |                 |                          |                       |                              |                     |                                     |  |                         |                 |                     |                   |                          |                                       |                          |                        |                          |         |
| Stone, clay, and glass products—Continued |                           |                 |                          |                       |                              |                     |                                     |  |                         |                 |                     |                   |                          |                                       |                          |                        |                          |         |
| Brick and hollow tile                     |                           |                 |                          |                       | Pottery and related products |                     |                                     | Concrete, gypsum, and plaster products |                         |                 | Concrete products   |                   |                          | Other stone, clay, and glass products |                          |                        | Primary metal industries |         |
| 1948: Average.....                        | \$49.05                   | 42.5            | \$1.154                  | \$49.46               | 38.7                         | \$1.278             | \$56.49                             | 44.8                                   | \$1.261                 | \$56.92         | 44.4                | \$1.282           | \$55.10                  | 41.0                                  | \$1.344                  | \$61.03                | 40.1                     | \$1.522 |
| 1949: Average.....                        | 49.57                     | 41.8            | 1.186                    | 48.85                 | 36.4                         | 1.342               | 57.77                               | 43.8                                   | 1.319                   | 59.31           | 43.8                | 1.304             | 54.72                    | 39.2                                  | 1.398                    | 60.78                  | 38.3                     | 1.587   |
| 1949: August.....                         | 50.40                     | 42.6            | 1.183                    | 46.84                 | 34.9                         | 1.342               | 59.50                               | 44.6                                   | 1.334                   | 61.39           | 44.2                | 1.389             | 53.59                    | 38.6                                  | 1.391                    | 59.45                  | 37.6                     | 1.581   |
| September.....                            | 50.68                     | 42.3            | 1.198                    | 46.82                 | 35.1                         | 1.334               | 60.30                               | 44.8                                   | 1.346                   | 62.62           | 44.7                | 1.401             | 55.37                    | 39.1                                  | 1.416                    | 60.62                  | 37.6                     | 1.607   |
| October.....                              | 51.36                     | 42.8            | 1.200                    | 50.71                 | 37.7                         | 1.345               | 60.26                               | 44.9                                   | 1.342                   | 61.51           | 44.8                | 1.373             | 55.34                    | 39.5                                  | 1.409                    | 58.35                  | 37.5                     | 1.556   |
| November.....                             | 50.53                     | 42.0            | 1.203                    | 50.97                 | 37.7                         | 1.352               | 59.85                               | 44.5                                   | 1.345                   | 57.98           | 42.6                | 1.361             | 55.01                    | 39.4                                  | 1.407                    | 57.48                  | 36.4                     | 1.579   |
| December.....                             | 49.39                     | 41.4            | 1.193                    | 51.19                 | 37.7                         | 1.357               | 60.12                               | 44.7                                   | 1.345                   | 58.11           | 42.1                | 1.361             | 55.36                    | 39.4                                  | 1.405                    | 62.92                  | 39.4                     | 1.597   |
| 1950: January.....                        | 47.81                     | 41.0            | 1.166                    | 48.99                 | 36.1                         | 1.337               | 58.16                               | 43.6                                   | 1.334                   | 58.80           | 42.2                | 1.346             | 55.33                    | 39.3                                  | 1.408                    | 63.79                  | 39.5                     | 1.615   |
| February.....                             | 47.14                     | 40.5            | 1.164                    | 50.09                 | 36.9                         | 1.345               | 58.55                               | 43.6                                   | 1.343                   | 55.71           | 41.3                | 1.349             | 55.69                    | 39.3                                  | 1.417                    | 63.48                  | 39.6                     | 1.603   |
| March.....                                | 48.26                     | 41.0            | 1.177                    | 50.37                 | 37.2                         | 1.334               | 59.13                               | 43.9                                   | 1.347                   | 57.48           | 42.2                | 1.362             | 55.75                    | 39.4                                  | 1.415                    | 62.40                  | 38.9                     | 1.604   |
| April.....                                | 51.27                     | 42.3            | 1.212                    | 50.26                 | 36.9                         | 1.362               | 59.76                               | 44.1                                   | 1.355                   | 59.25           | 43.5                | 1.362             | 56.22                    | 39.4                                  | 1.427                    | 65.00                  | 40.4                     | 1.609   |
| May.....                                  | 54.16                     | 43.4            | 1.248                    | 50.46                 | 37.1                         | 1.360               | 60.75                               | 44.7                                   | 1.359                   | 60.25           | 44.3                | 1.359             | 58.07                    | 40.3                                  | 1.441                    | 65.57                  | 40.5                     | 1.619   |
| June.....                                 | 54.63                     | 43.6            | 1.253                    | 48.71                 | 35.3                         | 1.380               | 62.08                               | 45.2                                   | 1.373                   | 61.07           | 45.1                | 1.354             | 60.09                    | 41.7                                  | 1.441                    | 66.50                  | 40.8                     | 1.630   |
| July.....                                 | 54.80                     | 43.7            | 1.254                    | 49.76                 | 35.8                         | 1.390               | 62.60                               | 45.1                                   | 1.388                   | 60.78           | 44.3                | 1.372             | 59.99                    | 41.2                                  | 1.456                    | 66.83                  | 40.6                     | 1.646   |
| August.....                               | 55.82                     | 44.2            | 1.263                    | 52.30                 | 37.6                         | 1.391               | 64.01                               | 45.4                                   | 1.410                   | 63.04           | 44.9                | 1.404             | 62.41                    | 42.6                                  | 1.465                    | 67.73                  | 41.3                     | 1.640   |

See footnotes at end of table.

TABLE C-1: Hours and Gross Earnings of Production Workers or Nonsupervisory Employees<sup>1</sup>—Con.

| Year and month  | Manufacturing—Continued                        |                           |                              |                          |                           |   |                        |                           |  |                          |                           |  |                        |                           |                           |   |                           |         |  |  |  |
|---|--|---------------------------|------------------------------|--------------------------|---------------------------|---|------------------------|---------------------------|--|--------------------------|---------------------------|--|------------------------|---------------------------|---------------------------|---|---------------------------|---------|--|--|--|
|   | Primary metal industries—Continued             |                           |                              |                          |                           |   |                        |                           |  |                          |                           |  |                        |                           |                           |   |                           |         |  |  |  |
|   | Blast furnaces, steel works, and rolling mills |                           |                              | Iron and steel foundries |                           |   | Gray-iron foundries    |                           |  | Malleable-iron foundries |                           |  | Steel foundries        |                           |                           | Primary smelting and refining of non-ferrous metals |                           |         |  |  |  |
| Avg.<br>wkly.<br>earnings                               | Avg.<br>wkly.<br>hours                         | Avg.<br>hrly.<br>earnings | Avg.<br>wkly.<br>earnings    | Avg.<br>wkly.<br>hours   | Avg.<br>hrly.<br>earnings | Avg.<br>wkly.<br>earnings                           | Avg.<br>wkly.<br>hours | Avg.<br>hrly.<br>earnings | Avg.<br>wkly.<br>earnings  | Avg.<br>wkly.<br>hours   | Avg.<br>hrly.<br>earnings | Avg.<br>wkly.<br>earnings                  | Avg.<br>wkly.<br>hours | Avg.<br>hrly.<br>earnings | Avg.<br>wkly.<br>earnings | Avg.<br>wkly.<br>hours                              | Avg.<br>hrly.<br>earnings |         |  |  |  |
| 1948: Average.....                                      | \$62.41  | 39.5                      | \$1,580                      | \$58.45                  | 40.7                      | \$1,436   | \$57.46                | 40.9                      | \$1,405  | \$59.19                  | 40.4                      | \$1,465                                    | \$59.93                | 40.6                      | \$1,476                   | \$58.22   | 41.0                      | \$1,420 |  |  |  |
| 1949: Average.....                                      | 63.04  | 38.3                      | 1,646                        | 55.09                    | 37.2                      | 1,481   | 54.38                  | 37.5                      | 1,450  | 54.30                    | 35.7                      | 1,521                                      | 56.73                  | 37.3                      | 1,521                     | 60.36   | 40.4                      | 1,494   |  |  |  |
| 1949: August.....                                       | 61.33  | 37.6                      | 1,631                        | 53.50                    | 36.2                      | 1,478   | 53.00                  | 38.6                      | 1,448  | 53.56                    | 35.2                      | 1,520                                      | 54.50                  | 35.6                      | 1,518                     | 58.26   | 39.4                      | 1,482   |  |  |  |
| September.....  | 62.07  | 37.1                      | 1,673                        | 54.39                    | 36.6                      | 1,496   | 55.04                  | 37.8                      | 1,456  | 54.01                    | 35.3                      | 1,543                                      | 53.41                  | 35.0                      | 1,526                     | 59.24   | 39.6                      | 1,496   |  |  |  |
| October.....  | 55.90  | 34.0                      | 1,644                        | 54.80                    | 36.9                      | 1,485   | 55.96                  | 38.3                      | 1,461  | 52.32                    | 34.4                      | 1,521                                      | 53.99                  | 35.4                      | 1,525                     | 59.87   | 40.7                      | 1,471   |  |  |  |
| November.....   | 56.48  | 34.4                      | 1,642                        | 53.89                    | 36.3                      | 1,483   | 54.31                  | 37.3                      | 1,456  | 51.14                    | 33.6                      | 1,522                                      | 54.66                  | 35.7                      | 1,531                     | 58.43   | 39.4                      | 1,483   |  |  |  |
| December.....   | 64.65  | 38.3                      | 1,645                        | 57.22                    | 38.5                      | 1,494   | 57.25                  | 39.0                      | 1,468  | 57.41                    | 37.4                      | 1,535                                      | 56.61                  | 37.0                      | 1,530                     | 59.60   | 40.3                      | 1,479   |  |  |  |
| 1950: January.....                                      | 65.93  | 39.3                      | 1,675                        | 58.17                    | 38.7                      | 1,503   | 57.74                  | 39.2                      | 1,473  | 59.25                    | 38.3                      | 1,547                                      | 57.75                  | 37.6                      | 1,536                     | 62.07   | 41.3                      | 1,503   |  |  |  |
| February.....   | 64.81  | 39.3                      | 1,649                        | 59.11                    | 39.2                      | 1,508   | 58.91                  | 39.7                      | 1,484  | 58.6                     | 38.6                      | 1,535                                      | 59.83                  | 38.7                      | 1,546                     | 60.24   | 40.4                      | 1,491   |  |  |  |
| March.....  | 61.84  | 37.5                      | 1,649                        | 60.33                    | 39.9                      | 1,512   | 59.81                  | 40.3                      | 1,484  | 61.70                    | 39.6                      | 1,540                                      | 60.61                  | 39.1                      | 1,550                     | 61.13   | 40.7                      | 1,502   |  |  |  |
| April.....  | 66.08  | 40.0                      | 1,652                        | 62.37                    | 40.9                      | 1,525   | 62.03                  | 41.3                      | 1,502  | 62.25                    | 40.6                      | 1,558                                      | 62.79                  | 40.3                      | 1,553                     | 61.61   | 40.8                      | 1,510   |  |  |  |
| May.....  | 65.86  | 39.7                      | 1,659                        | 63.19                    | 41.3                      | 1,530   | 63.24                  | 44.8                      | 1,513  | 63.28                    | 40.8                      | 1,551                                      | 63.30                  | 40.6                      | 1,554                     | 61.98   | 40.8                      | 1,519   |  |  |  |
| June.....   | 66.63  | 39.8                      | 1,674                        | 64.72                    | 42.0                      | 1,541   | 64.68                  | 42.3                      | 1,515  | 64.57                    | 41.9                      | 1,572                                      | 65.65                  | 41.5                      | 1,582                     | 62.54   | 40.9                      | 1,529   |  |  |  |
| July.....   | 67.83  | 39.9                      | 1,700                        | 62.95                    | 41.5                      | 1,541   | 63.31                  | 40.9                      | 1,548  | 64.49                    | 41.1                      | 1,509                                      | 65.45                  | 41.5                      | 1,577                     | 66.25   | 41.8                      | 1,564   |  |  |  |
| August.....   | 67.78  | 40.3                      | 1,682                        | 66.20                    | 42.6                      | 1,554   | 66.20                  | 42.3                      | 1,565  | 65.45                    | 41.5                      | 1,577                                      | 66.25                  | 41.8                      | 1,585                     | 63.07   | 40.9                      | 1,603   |  |  |  |
| Manufacturing—Continued                                 |  |                           |                              |                          |                           |   |                        |                           |  |                          |                           |  |                        |                           |                           |   |                           |         |  |  |  |
| Primary metal industries—Continued                      |  |                           |                              |                          |                           |   |                        |                           |  |                          |                           |  |                        |                           |                           |   |                           |         |  |  |  |
| Primary smelting and refining of copper, lead, and zinc |  |                           | Primary refining of aluminum |                          |                           | Rolling, drawing, and alloying of nonferrous metals |                        |                           | Rolling, drawing, and alloying of copper   |                          |                           | Rolling, drawing, and alloying of aluminum |                        |                           | Nonferrous foundries      |   |                           |         |  |  |  |
| 1948: Average.....                                      | \$57.14  | 40.0                      | \$1,397                      | \$58.95                  | 41.4                      | \$1,424   | \$57.81                | 40.2                      | \$1,438  | \$60.42                  | 40.8                      | \$1,481                                    | \$53.88                | 39.1                      | \$1,378                   | \$59.96   | 40.0                      | \$1,499 |  |  |  |
| 1949: Average.....                                      | 58.99  | 40.1                      | 1,471                        | 61.95                    | 41.3                      | 1,505   | 58.05                  | 41.5                      | 1,500  | 59.29                    | 38.5                      | 1,540                                      | 56.21                  | 38.9                      | 1,445                     | 60.92   | 39.0                      | 1,582   |  |  |  |
| 1949: August.....                                       | 56.76  | 39.2                      | 1,448                        | 61.92                    | 40.9                      | 1,514   | 58.89                  | 39.0                      | 1,510  | 61.26                    | 39.6                      | 1,547                                      | 55.48                  | 39.0                      | 1,460                     | 60.14   | 38.6                      | 1,558   |  |  |  |
| September.....  | 57.51  | 39.2                      | 1,467                        | 62.23                    | 41.1                      | 1,514   | 59.65                  | 39.5                      | 1,510  | 61.96                    | 40.0                      | 1,549                                      | 55.83                  | 38.4                      | 1,454                     | 61.50   | 39.3                      | 1,565   |  |  |  |
| October.....  | 57.47  | 40.3                      | 1,426                        | 64.45                    | 42.4                      | 1,520   | 61.84                  | 40.5                      | 1,527  | 64.69                    | 41.1                      | 1,574                                      | 57.41                  | 39.4                      | 1,457                     | 62.33   | 39.5                      | 1,578   |  |  |  |
| November.....   | 56.12  | 39.0                      | 1,439                        | 64.83                    | 40.8                      | 1,589   | 63.57                  | 41.2                      | 1,543  | 65.44                    | 41.6                      | 1,573                                      | 58.55                  | 39.8                      | 1,471                     | 61.93   | 29.1                      | 1,564   |  |  |  |
| December.....   | 57.82  | 40.1                      | 1,442                        | 61.87                    | 40.6                      | 1,524   | 62.28                  | 40.6                      | 1,534  | 66.32                    | 42.0                      | 1,579                                      | 54.67                  | 37.7                      | 1,450                     | 63.20   | 39.9                      | 1,584   |  |  |  |
| 1950: January.....                                      | 61.35  | 41.4                      | 1,482                        | 61.16                    | 40.8                      | 1,499   | 61.97                  | 40.5                      | 1,530  | 64.53                    | 41.1                      | 1,570                                      | 57.37                  | 39.4                      | 1,450                     | 62.73   | 39.6                      | 1,584   |  |  |  |
| February.....   | 59.00  | 40.3                      | 1,464                        | 61.66                    | 41.0                      | 1,504   | 63.29                  | 41.1                      | 1,540  | 66.30                    | 41.7                      | 1,590                                      | 57.91                  | 39.8                      | 1,455                     | 62.29   | 39.5                      | 1,577   |  |  |  |
| March.....  | 59.79  | 40.7                      | 1,469                        | 62.25                    | 40.9                      | 1,522   | 64.29                  | 41.4                      | 1,553  | 66.96                    | 41.9                      | 1,598                                      | 59.64                  | 40.5                      | 1,470                     | 63.04   | 40.1                      | 1,572   |  |  |  |
| April.....  | 60.38  | 40.8                      | 1,480                        | 62.03                    | 40.7                      | 1,524   | 64.29                  | 41.4                      | 1,553  | 67.61                    | 42.1                      | 1,606                                      | 58.53                  | 40.2                      | 1,450                     | 64.03   | 40.5                      | 1,581   |  |  |  |
| May.....  | 60.29  | 40.6                      | 1,485                        | 62.73                    | 41.0                      | 1,530   | 66.63                  | 42.2                      | 1,579  | 70.72                    | 43.2                      | 1,637                                      | 58.73                  | 40.2                      | 1,461                     | 65.36   | 40.9                      | 1,598   |  |  |  |
| June.....   | 61.44  | 40.8                      | 1,506                        | 62.44                    | 41.0                      | 1,523   | 67.75                  | 42.8                      | 1,583  | 72.26                    | 43.9                      | 1,646                                      | 58.26                  | 40.4                      | 1,442                     | 66.52   | 41.6                      | 1,599   |  |  |  |
| July.....   | 61.49  | 39.8                      | 1,545                        | 63.06                    | 41.0                      | 1,538   | 67.55                  | 42.3                      | 1,597  | 73.33                    | 44.2                      | 1,659                                      | 56.68                  | 38.9                      | 1,457                     | 64.99   | 40.8                      | 1,593   |  |  |  |
| August.....   | 61.85  | 40.8                      | 1,516                        | 62.99                    | 40.9                      | 1,540   | 68.66                  | 42.7                      | 1,608  | 74.03                    | 44.3                      | 1,671                                      | 58.31                  | 39.8                      | 1,465                     | 67.01   | 41.8                      | 1,603   |  |  |  |
| Manufacturing—Continued                                 |  |                           |                              |                          |                           |   |                        |                           |  |                          |                           |  |                        |                           |                           |   |                           |         |  |  |  |
| Primary metal industries—Continued                      |  |                           |                              |                          |                           |   |                        |                           |  |                          |                           |  |                        |                           |                           |   |                           |         |  |  |  |
| Other primary metal industries                          |  |                           | Iron and steel forgings      |                          |                           | Wire drawing  |                        |                           | Fabricated metal products (except ordnance, machinery, and transportation equipment) |                          |                           |  |                        |                           |                           |   |                           |         |  |  |  |
| 1948: Average.....                                      | \$53.08  | 40.8                      | \$1,546                      | \$65.16                  | 40.8                      | \$1,597   | \$62.17                | 40.5                      | \$1,535  | \$56.68                  | 40.6                      | \$1,396                                    | \$54.07                | 40.9                      | \$1,322                   | \$54.22   | 40.8                      | \$1,329 |  |  |  |
| 1949: Average.....                                      | 63.34  | 39.1                      | 1,620                        | 63.18                    | 38.2                      | 1,654   | 63.66                  | 39.2                      | 1,624  | 57.82                    | 39.6                      | 1,460                                      | 56.24                  | 40.4                      | 1,392                     | 54.82   | 39.3                      | 1,395   |  |  |  |
| 1949: August.....                                       | 61.65  | 38.1                      | 1,616                        | 60.37                    | 36.9                      | 1,636   | 61.26                  | 38.9                      | 1,612  | 58.13                    | 39.6                      | 1,468                                      | 51.13                  | 42.6                      | 1,435                     | 53.37   | 39.2                      | 1,397   |  |  |  |
| September.....  | 62.52  | 38.4                      | 1,622                        | 60.13                    | 36.4                      | 1,652   | 63.34                  | 39.0                      | 1,624  | 59.25                    | 40.2                      | 1,474                                      | 59.00                  | 41.2                      | 1,432                     | 55.18   | 39.3                      | 1,404   |  |  |  |
| October.....  | 62.93  | 38.8                      | 1,622                        | 60.06                    | 36.4                      | 1,650   | 60.67                  | 41.0                      | 1,626  | 58.51                    | 40.1                      | 1,459                                      | 55.58                  | 39.5                      | 1,407                     | 53.40   | 38.5                      | 1,387   |  |  |  |
| November.....   | 60.97  | 37.8                      | 1,613                        | 59.42                    | 36.1                      | 1,646   | 64.55                  | 39.6                      | 1,630  | 66.88                    | 39.2                      | 1,451                                      | 53.19                  | 38.1                      | 1,396                     | 54.41   | 39.2                      | 1,388   |  |  |  |
| December.....   | 65.67  | 40.5                      | 1,628                        | 64.01                    | 38.4                      | 1,667   | 69.34                  | 42.0                      | 1,651  | 59.66                    | 40.5                      | 1,473                                      | 57.16                  | 40.8                      | 1,401                     | 56.84   | 40.4                      | 1,407   |  |  |  |
| 1950: January.....                                      | 65.44  | 40.0                      | 1,636                        | 64.89                    | 38.6                      | 1,681   | 68.05                  | 40.6                      | 1,676  | 59.93                    | 40.3                      | 1,487                                      | 56.76                  | 40.4                      | 1,405                     | 57.55   | 40.5                      | 1,421   |  |  |  |
| February.....   | 67.28  | 40.8                      | 1,649                        | 66.94                    | 39.4                      | 1,690   | 71.06                  | 42.2                      | 1,684  | 59.68                    | 40.3                      | 1,481                                      | 56.80                  | 40.2                      | 1,413                     | 58.20   | 40.7                      | 1,430   |  |  |  |
| March.....  | 67.23  | 40.4                      | 1,694                        | 68.75                    | 39.9                      | 1,723   | 68.82                  | 40.7                      | 1,692  | 59.94                    | 40.3                      | 1,488                                      | 56.98                  | 40.3                      | 1,414                     | 58.83   | 41.2                      | 1,428   |  |  |  |
| April.....  | 67.11  | 40.8                      | 1,657                        | 69.80                    | 40.0                      | 1,724   | 69.89                  | 41.6                      | 1,680  | 60.50                    | 40.7                      | 1,488                                      | 58.77                  | 40.7                      | 1,444                     | 58.79   | 41.2                      | 1,427   |  |  |  |
| May.....  | 67.09  | 41.6                      | 1,675                        | 72.94                    | 41.8                      | 1,745   | 70.39                  | 41.6                      | 1,692  | 62.89                    | 40.5                      | 1,496                                      | 59.20                  | 41.0                      | 1,444                     | 57.57   | 40.6                      | 1,418   |  |  |  |
| June.....   | 70.39  | 41.8                      | 1,684                        | 72.21                    | 41.5                      | 1,740   | 72.93                  | 42.4                      | 1,720  | 62.87                    | 41.5                      | 1,515                                      | 60.94                  | 41.8                      | 1,458                     | 60.61   | 41.6                      | 1,457   |  |  |  |
| July.....   | 70.51  | 41.1                      | 1,691                        | 73.39                    | 41.7                      | 1,760   | 72.46                  | 42.5                      | 1,705  | 62.71                    | 41.2                      | 1,522                                      | 64.03                  | 43.0                      | 1,489                     | 59.54   | 40.8                      | 1,463   |  |  |  |
| August.....   | 72.04  | 42.3                      | 1,703                        | 74.85                    | 41.7                      | 1,795   | 74.94                  | 43.9                      | 1,707  | 64.73                    | 42.2                      | 1,534                                      | 67.13                  | 44.4                      | 1,512                     | 61.09   | 41.5                      | 1,472   |  |  |  |

See footnotes at end of table.

TABLE C-1: Hours and Gross Earnings of Production Workers or Nonsupervisory Employees<sup>1</sup>—Con.

| Year and month  | Manufacturing—Continued  |                           |  |                        |                           |                           |                        |                           |                                     |  |                           |  |                                      |                           |  |  |                        |                           |
|---|--|---------------------------|--|------------------------|---------------------------|---------------------------|------------------------|---------------------------|-------------------------------------|--|---------------------------|--|--------------------------------------|---------------------------|--|--|------------------------|---------------------------|
|   | Fabricated metal products (except ordnance, machinery, and transportation equipment)—Continued |                           |  |                        |                           |                           |                        |                           |                                     |  |                           |  |                                      |                           |  |  |                        |                           |
|   | Cutlery and edge tools   |                           |  | Hand tools             |                           |                           | Hardware               |                           |                                     | Heating apparatus (except electric) and plumbers' supplies |                           |  | Sanitary ware and plumbers' supplies |                           |  | Oil burners, nonelectric heating and cooking apparatus, not elsewhere classified |                        |                           |
| Avg.<br>wkly.<br>earnings   | Avg.<br>wkly.<br>hours   | Avg.<br>hrly.<br>earnings | Avg.<br>wkly.<br>earnings                  | Avg.<br>wkly.<br>hours | Avg.<br>hrly.<br>earnings | Avg.<br>wkly.<br>earnings | Avg.<br>wkly.<br>hours | Avg.<br>hrly.<br>earnings | Avg.<br>wkly.<br>earnings           | Avg.<br>wkly.<br>hours                                     | Avg.<br>hrly.<br>earnings | Avg.<br>wkly.<br>earnings              | Avg.<br>wkly.<br>hours               | Avg.<br>hrly.<br>earnings | Avg.<br>wkly.<br>hours                   | Avg.<br>hrly.<br>earnings  | Avg.<br>wkly.<br>hours | Avg.<br>hrly.<br>earnings |
| 1948: Average.....  | \$51.13  | 41.3                      | \$1.238                                    | \$58.07                | 40.9                      | \$1.371                   | \$54.26                | 40.4                      | \$1.343                             | \$57.53  | 40.2                      | \$1.431                                | \$60.40                              | 40.4                      | \$1.495                                  | \$55.80  | 40.0                   | \$1.395                   |
| 1949: Average.....  | 50.84  | 40.0                      | 1.271                                      | 54.54                  | 38.6                      | 1.413                     | 56.28                  | 39.3                      | 1.432                               | 57.64  | 38.7                      | 1.474                                  | 59.79                                | 38.5                      | 1.553                                    | 55.45  | 38.8                   | 1.429                     |
| 1949: August.....   | 49.87  | 39.3                      | 1.269                                      | 51.78                  | 36.8                      | 1.407                     | 55.22                  | 38.4                      | 1.438                               | 57.63  | 39.5                      | 1.459                                  | 59.25                                | 38.5                      | 1.539                                    | 56.82  | 40.1                   | 1.417                     |
| September.....  | 52.26  | 40.8                      | 1.281                                      | 52.82                  | 37.3                      | 1.416                     | 56.88                  | 39.5                      | 1.440                               | 59.56  | 40.3                      | 1.478                                  | 60.14                                | 38.6                      | 1.558                                    | 59.45  | 41.2                   | 1.443                     |
| October.....  | 52.51  | 40.8                      | 1.287                                      | 54.03                  | 38.4                      | 1.407                     | 53.35                  | 37.6                      | 1.419                               | 61.23  | 41.4                      | 1.479                                  | 63.73                                | 40.8                      | 1.562                                    | 60.01  | 41.7                   | 1.430                     |
| November.....   | 53.12  | 41.5                      | 1.280                                      | 53.44                  | 37.9                      | 1.410                     | 54.89                  | 38.6                      | 1.422                               | 59.32  | 40.0                      | 1.483                                  | 64.56                                | 41.2                      | 1.567                                    | 66.24  | 39.3                   | 1.431                     |
| December.....   | 50.89  | 40.1                      | 1.269                                      | 56.04                  | 38.9                      | 1.415                     | 59.20                  | 40.8                      | 1.451                               | 60.39  | 40.5                      | 1.491                                  | 65.20                                | 41.5                      | 1.571                                    | 57.15  | 39.8                   | 1.436                     |
| 1950: January.....  | 50.79  | 39.9                      | 1.273                                      | 55.92                  | 30.3                      | 1.423                     | 60.19                  | 41.0                      | 1.468                               | 59.23  | 39.7                      | 1.492                                  | 62.24                                | 40.0                      | 1.556                                    | 57.14  | 39.6                   | 1.443                     |
| February.....   | 51.22  | 40.3                      | 1.271                                      | 55.87                  | 39.1                      | 1.429                     | 61.04                  | 41.3                      | 1.478                               | 59.59  | 39.7                      | 1.501                                  | 63.54                                | 40.5                      | 1.569                                    | 56.76  | 39.2                   | 1.448                     |
| March.....  | 53.07  | 41.2                      | 1.288                                      | 56.77                  | 39.7                      | 1.430                     | 61.15                  | 41.6                      | 1.470                               | 60.20  | 40.0                      | 1.505                                  | 63.86                                | 40.6                      | 1.573                                    | 57.62  | 39.6                   | 1.455                     |
| April.....  | 53.49  | 41.4                      | 1.292                                      | 57.32                  | 40.0                      | 1.433                     | 60.71                  | 41.5                      | 1.463                               | 60.76  | 40.0                      | 1.518                                  | 63.91                                | 40.4                      | 1.582                                    | 58.63  | 39.8                   | 1.473                     |
| May.....  | 52.16  | 40.5                      | 1.288                                      | 58.20                  | 40.5                      | 1.437                     | 58.87                  | 40.6                      | 1.450                               | 61.30  | 40.3                      | 1.521                                  | 63.91                                | 40.4                      | 1.582                                    | 59.30  | 40.2                   | 1.475                     |
| June.....   | 54.41  | 41.6                      | 1.308                                      | 59.16                  | 40.8                      | 1.450                     | 62.03                  | 41.9                      | 1.502                               | 62.11  | 40.7                      | 1.526                                  | 65.27                                | 41.1                      | 1.588                                    | 59.90  | 40.5                   | 1.479                     |
| July.....   | 50.89  | 39.3                      | 1.285                                      | 59.71                  | 40.9                      | 1.460                     | 61.58                  | 41.0                      | 1.502                               | 63.16  | 41.2                      | 1.533                                  | 67.55                                | 41.7                      | 1.620                                    | 59.54  | 40.7                   | 1.463                     |
| August.....   | 55.79  | 42.2                      | 1.322                                      | 63.40                  | 42.1                      | 1.506                     | 61.30                  | 41.0                      | 1.495                               | 64.25  | 41.7                      | 1.519                                  | 62.01                                | 41.5                      | 1.619                                    | 57.19  | 41.7                   | 1.487                     |
| Manufacturing—Continued   |  |                           |  |                        |                           |                           |                        |                           |                                     |  |                           |  |                                      |                           |  |  |                        |                           |
| Fabricated metal products (except ordnance machinery, and transportation equipment)—Continued |  |                           |  |                        |                           |                           |                        |                           |                                     |  |                           |  |                                      |                           |  |  |                        |                           |
| Fabricated structural metal products  |  |                           | Structural steel and ornamental metal work |                        |                           | Boiler-shop products      |                        |                           | Sheet-metal work                    |  |                           | Metal stamping, coating, and engraving |                                      |                           | Stamped and pressed metal products       |  |                        |                           |
| 1948: Average.....  | \$55.17  | 41.2                      | \$1.412                                    | \$57.68                | 41.2                      | \$1.400                   | \$58.79                | 41.2                      | \$1.427                             | \$56.64  | 40.6                      | \$1.395                                | \$56.66                              | 40.1                      | \$1.413                                  | \$58.59  | 40.3                   | \$1.449                   |
| 1949: Average.....  | 50.90  | 40.5                      | 1.479                                      | 60.91                  | 41.1                      | 1.482                     | 59.78                  | 40.2                      | 1.487                               | 57.60  | 39.7                      | 1.451                                  | 58.54                                | 39.5                      | 1.482                                    | 60.30  | 39.7                   | 1.519                     |
| 1949: August.....   | 50.83  | 40.4                      | 1.481                                      | 62.32                  | 41.8                      | 1.491                     | 59.10                  | 39.8                      | 1.485                               | 57.70  | 39.6                      | 1.457                                  | 60.66                                | 39.8                      | 1.500                                    | 61.88  | 40.0                   | 1.547                     |
| September.....  | 60.59  | 40.8                      | 1.485                                      | 62.31                  | 41.9                      | 1.487                     | 60.71                  | 40.5                      | 1.499                               | 58.32  | 40.0                      | 1.458                                  | 60.78                                | 40.2                      | 1.512                                    | 63.02  | 40.5                   | 1.556                     |
| October.....  | 59.43  | 40.5                      | 1.468                                      | 60.97                  | 41.7                      | 1.462                     | 59.82                  | 40.2                      | 1.488                               | 55.41  | 38.8                      | 1.428                                  | 58.97                                | 39.9                      | 1.478                                    | 60.61  | 39.9                   | 1.519                     |
| November.....   | 57.89  | 39.3                      | 1.473                                      | 57.95                  | 39.5                      | 1.467                     | 58.97                  | 39.5                      | 1.493                               | 57.98  | 40.1                      | 1.446                                  | 56.58                                | 38.8                      | 1.453                                    | 57.82  | 38.7                   | 1.494                     |
| December.....   | 60.85  | 40.7                      | 1.495                                      | 63.34                  | 42.2                      | 1.501                     | 59.18                  | 39.4                      | 1.502                               | 58.28  | 40.0                      | 1.457                                  | 60.18                                | 40.2                      | 1.496                                    | 62.18  | 40.4                   | 1.539                     |
| 1950: January.....  | 60.30  | 40.2                      | 1.500                                      | 61.51                  | 41.2                      | 1.493                     | 58.62                  | 38.9                      | 1.507                               | 58.93  | 39.9                      | 1.477                                  | 61.92                                | 40.2                      | 1.518                                    | 63.37  | 40.7                   | 1.557                     |
| February.....   | 59.81  | 39.9                      | 1.499                                      | 61.01                  | 40.7                      | 1.499                     | 58.45                  | 39.1                      | 1.495                               | 58.89  | 40.2                      | 1.465                                  | 60.67                                | 40.5                      | 1.498                                    | 62.35  | 40.7                   | 1.532                     |
| March.....  | 60.38  | 40.2                      | 1.502                                      | 61.63                  | 40.9                      | 1.502                     | 58.79                  | 39.3                      | 1.496                               | 58.39  | 39.8                      | 1.467                                  | 60.63                                | 40.5                      | 1.496                                    | 62.59  | 40.8                   | 1.554                     |
| April.....  | 61.31  | 40.6                      | 1.510                                      | 62.69                  | 41.2                      | 1.507                     | 59.77                  | 39.9                      | 1.498                               | 58.76  | 40.0                      | 1.469                                  | 61.19                                | 40.9                      | 1.498                                    | 62.92  | 41.1                   | 1.561                     |
| May.....  | 61.66  | 40.7                      | 1.515                                      | 62.25                  | 41.2                      | 1.511                     | 59.60                  | 40.0                      | 1.490                               | 60.40  | 40.7                      | 1.454                                  | 61.55                                | 40.6                      | 1.516                                    | 63.55  | 41.0                   | 1.550                     |
| June.....   | 62.65  | 41.0                      | 1.528                                      | 63.50                  | 41.6                      | 1.524                     | 61.22                  | 40.6                      | 1.508                               | 60.28  | 40.3                      | 1.492                                  | 64.16                                | 41.8                      | 1.533                                    | 66.31  | 42.0                   | 1.575                     |
| July.....   | 61.53  | 40.2                      | 1.531                                      | 60.12                  | 39.5                      | 1.522                     | 61.42                  | 40.7                      | 1.509                               | 61.61  | 41.1                      | 1.499                                  | 64.60                                | 41.6                      | 1.553                                    | 66.79  | 41.9                   | 1.564                     |
| August.....   | 64.34  | 42.0                      | 1.532                                      | 64.61                  | 42.1                      | 1.524                     | 61.77                  | 41.1                      | 1.503                               | 64.13  | 42.3                      | 1.516                                  | 66.28                                | 42.3                      | 1.567                                    | 68.71  | 42.6                   | 1.613                     |
| Manufacturing—Continued   |  |                           |  |                        |                           |                           |                        |                           |                                     |  |                           |  |                                      |                           |  |  |                        |                           |
| Fabricated metal products (except ordnance, machinery, and transportation equipment)—Con.     |  |                           |  |                        |                           |                           |                        |                           |                                     |  |                           |  |                                      |                           |  |  |                        |                           |
| Other fabricated metal products   |  |                           | Total: Machinery (except electrical)       |                        |                           | Engines and turbines      |                        |                           | Agricultural machinery and tractors |  |                           | Tractors                               |                                      |                           | Agricultural machinery (except tractors) |  |                        |                           |
| 1948: Average.....  | \$56.88  | 40.4                      | \$1.468                                    | \$60.52                | 41.2                      | \$1.469                   | \$65.50                | 40.5                      | \$1.508                             | \$60.59  | 40.5                      | \$1.496                                | \$62.05                              | 40.8                      | \$1.532                                  | \$58.82  | 40.4                   | \$1.451                   |
| 1949: Average.....  | 58.38  | 39.5                      | 1.478                                      | 60.44                  | 39.5                      | 1.530                     | 62.13                  | 38.9                      | 1.623                               | 61.11  | 39.3                      | 1.555                                  | 61.86                                | 39.2                      | 1.578                                    | 59.68  | 39.3                   | 1.526                     |
| 1949: August.....   | 57.92  | 39.0                      | 1.485                                      | 59.86                  | 39.1                      | 1.531                     | 62.93                  | 38.8                      | 1.622                               | 61.00  | 39.1                      | 1.560                                  | 62.25                                | 39.3                      | 1.584                                    | 59.48  | 38.9                   | 1.529                     |
| September.....  | 59.15  | 39.7                      | 1.490                                      | 60.44                  | 39.3                      | 1.538                     | 62.56                  | 38.3                      | 1.623                               | 61.80  | 39.1                      | 1.570                                  | 61.69                                | 38.8                      | 1.590                                    | 61.03  | 39.5                   | 1.545                     |
| October.....  | 59.88  | 40.3                      | 1.485                                      | 60.21                  | 39.2                      | 1.536                     | 62.15                  | 38.2                      | 1.627                               | 61.23  | 39.4                      | 1.564                                  | 61.39                                | 38.0                      | 1.574                                    | 60.70  | 39.7                   | 1.529                     |
| November.....   | 57.51  | 39.2                      | 1.467                                      | 59.21                  | 38.5                      | 1.538                     | 61.81                  | 37.5                      | 1.631                               | 57.61  | 37.0                      | 1.557                                  | 58.02                                | 39.7                      | 1.581                                    | 57.00  | 37.4                   | 1.524                     |
| December.....   | 60.56  | 40.7                      | 1.488                                      | 61.30                  | 39.7                      | 1.544                     | 63.84                  | 39.0                      | 1.637                               | 60.96  | 38.9                      | 1.567                                  | 61.22                                | 38.6                      | 1.586                                    | 60.48  | 39.2                   | 1.539                     |
| 1950: January.....  | 61.51  | 40.6                      | 1.515                                      | 61.57                  | 39.8                      | 1.547                     | 63.88                  | 39.0                      | 1.638                               | 61.58  | 39.1                      | 1.575                                  | 61.92                                | 38.8                      | 1.596                                    | 60.91  | 39.4                   | 1.546                     |
| February.....   | 60.47  | 40.5                      | 1.493                                      | 62.55                  | 40.3                      | 1.552                     | 63.69                  | 39.0                      | 1.633                               | 63.24  | 40.0                      | 1.581                                  | 64.28                                | 40.2                      | 1.599                                    | 61.93  | 39.8                   | 1.556                     |
| March.....  | 59.14  | 39.8                      | 1.486                                      | 63.34                  | 40.6                      | 1.560                     | 63.96                  | 39.0                      | 1.640                               | 62.92  | 39.6                      | 1.589                                  | 63.92                                | 39.7                      | 1.610                                    | 61.66  | 39.5                   | 1.561                     |
| April.....  | 61.16  | 40.8                      | 1.499                                      | 64.33                  | 41.0                      | 1.569                     | 68.72                  | 41.0                      | 1.676                               | 62.98  | 39.7                      | 1.586                                  | 64.68                                | 40.1                      | 1.613                                    | 60.68  | 39.1                   | 1.552                     |
| May.....  | 62.43  | 41.1                      | 1.519                                      | 65.09                  | 41.3                      | 1.576                     | 68.79                  | 40.8                      | 1.666                               | 63.88  | 40.1                      | 1.593                                  | 65.49                                | 40.4                      | 1.621                                    | 61.77  | 39.7                   | 1.556                     |
| June.....   | 64.82  | 42.2                      | 1.536                                      | 65.69                  | 41.5                      | 1.583                     | 68.70                  | 40.7                      | 1.688                               | 63.84  | 40.2                      | 1.588                                  | 65.16                                | 40.5                      | 1.609                                    | 62.16  | 39.9                   | 1.558                     |
| July.....   | 63.88  | 41.7                      | 1.532                                      | 66.27                  | 41.6                      | 1.593                     | 68.03                  | 39.9                      | 1.705                               | 63.88  | 40.1                      | 1.593                                  | 65.08                                | 40.3                      | 1.615                                    | 62.21  | 39.8                   | 1.563                     |
| August.....   | 66.40  | 42.7                      | 1.555                                      | 67.65                  | 42.2                      | 1.603                     | 70.53                  | 41.2                      | 1.712                               | 64.44  | 40.3                      | 1.599                                  | 66.26                                | 40.6                      | 1.632                                    | 61.96  | 39.9                   | 1.553                     |

See footnotes at end of table

TABLE C-1: Hours and Gross Earnings of Production Workers or Nonsupervisory Employees<sup>1</sup>—Con.

| Year and month                          | Manufacturing—Continued                 |                           |                                       |                        |                           |                                       |                        |                           |   |   |                           |   |                          |                           |  |  |      |         |
|---|---|---------------------------|---------------------------------------|------------------------|---------------------------|---------------------------------------|------------------------|---------------------------|---|---|---------------------------|---|--------------------------|---------------------------|--|--|------|---------|
|   | Machinery (except electrical)—Continued |                           |                                       |                        |                           |                                       |                        |                           |   |   |                           |   |                          |                           |  |  |      |         |
|   | Construction and mining machinery       |                           |                                       | Metalworking machinery |                           |                                       | Machine tools          |                           |   | Metalworking machinery (except machine tools) |                           |   | Machine-tool accessories |                           |  | Special-industry machinery (except metalworking machinery) |      |         |
| Avg.<br>wkly.<br>earnings               | Avg.<br>wkly.<br>hours                  | Avg.<br>hrly.<br>earnings | Avg.<br>wkly.<br>earnings             | Avg.<br>wkly.<br>hours | Avg.<br>hrly.<br>earnings | Avg.<br>wkly.<br>earnings             | Avg.<br>wkly.<br>hours | Avg.<br>hrly.<br>earnings | Avg.<br>wkly.<br>earnings   | Avg.<br>wkly.<br>hours                        | Avg.<br>hrly.<br>earnings | Avg.<br>wkly.<br>earnings                                 | Avg.<br>wkly.<br>hours   | Avg.<br>hrly.<br>earnings | Avg.<br>wkly.<br>hours                   | Avg.<br>hrly.<br>earnings                                  |      |         |
| 1948: Average.....                      | \$60.33                                 | 42.1                      | \$1.433                               | \$62.94                | 42.1                      | \$1.405                               | \$61.57                | 42.2                      | \$1.450   | \$62.98                                       | 42.1                      | \$1.406   | \$65.21                  | 41.8                      | \$1.560                                  | \$60.62  | 42.3 | \$1.433 |
| 1949: Average.....                      | 58.74                                   | 39.8                      | 1.476                                 | 61.11                  | 39.5                      | 1.547                                 | 59.15                  | 39.3                      | 1.505   | 61.85   | 39.8                      | 1.554   | 64.16                    | 39.7                      | 1.616                                    | 60.57  | 40.3 | 1.503   |
| 1949: August.....                       | 57.00                                   | 38.8                      | 1.469                                 | 59.87                  | 38.6                      | 1.551                                 | 58.32                  | 38.6                      | 1.511   | 60.22   | 39.0                      | 1.544   | 62.09                    | 38.0                      | 1.634                                    | 59.67  | 39.7 | 1.503   |
| September.....                          | 57.11                                   | 38.8                      | 1.472                                 | 60.37                  | 38.9                      | 1.552                                 | 58.98                  | 38.4                      | 1.512   | 60.50   | 39.0                      | 1.545   | 65.27                    | 39.8                      | 1.640                                    | 60.30  | 39.8 | 1.515   |
| October.....                            | 57.07                                   | 38.8                      | 1.471                                 | 60.41                  | 38.8                      | 1.557                                 | 57.64                  | 38.2                      | 1.509   | 61.50   | 39.5                      | 1.557   | 64.85                    | 39.3                      | 1.650                                    | 59.88  | 39.5 | 1.516   |
| November.....                           | 58.90                                   | 37.9                      | 1.475                                 | 59.44                  | 38.4                      | 1.548                                 | 57.34                  | 38.1                      | 1.505   | 59.48   | 38.2                      | 1.557   | 63.38                    | 39.1                      | 1.621                                    | 59.97  | 39.4 | 1.522   |
| December.....                           | 59.34                                   | 40.2                      | 1.476                                 | 61.73                  | 39.7                      | 1.555                                 | 59.92                  | 39.5                      | 1.517   | 62.53   | 39.8                      | 1.571   | 64.08                    | 39.9                      | 1.606                                    | 61.72  | 40.5 | 1.624   |
| 1950: January.....                      | 60.28                                   | 40.4                      | 1.492                                 | 61.42                  | 39.4                      | 1.559                                 | 59.66                  | 39.2                      | 1.522   | 61.94   | 39.3                      | 1.576   | 63.64                    | 39.6                      | 1.607                                    | 61.45  | 40.4 | 1.521   |
| February.....                           | 61.39                                   | 40.8                      | 1.504                                 | 63.46                  | 40.6                      | 1.573                                 | 61.86                  | 40.3                      | 1.535   | 66.17   | 41.2                      | 1.606   | 65.37                    | 40.8                      | 1.610                                    | 61.80  | 40.5 | 1.526   |
| March.....                              | 62.36                                   | 41.3                      | 1.510                                 | 65.10                  | 41.1                      | 1.584                                 | 63.00                  | 40.8                      | 1.544   | 67.10   | 41.6                      | 1.613   | 66.95                    | 41.1                      | 1.629                                    | 62.26  | 40.8 | 1.526   |
| April.....                              | 63.11                                   | 41.6                      | 1.517                                 | 67.21                  | 41.8                      | 1.608                                 | 64.69                  | 41.6                      | 1.555   | 68.95   | 42.2                      | 1.634   | 69.56                    | 41.8                      | 1.664                                    | 62.65  | 41.0 | 1.528   |
| May.....                                | 63.70                                   | 41.8                      | 1.524                                 | 68.57                  | 42.3                      | 1.621                                 | 65.46                  | 41.8                      | 1.566   | 69.69   | 42.6                      | 1.636   | 72.25                    | 42.8                      | 1.688                                    | 63.55  | 41.4 | 1.535   |
| June.....                               | 65.20                                   | 42.7                      | 1.527                                 | 69.81                  | 42.8                      | 1.631                                 | 66.58                  | 42.3                      | 1.574   | 70.10   | 42.9                      | 1.634   | 74.34                    | 43.6                      | 1.705                                    | 63.91  | 41.5 | 1.540   |
| July.....                               | 65.28                                   | 42.5                      | 1.536                                 | 71.12                  | 43.1                      | 1.650                                 | 66.72                  | 42.2                      | 1.581   | 71.12   | 43.0                      | 1.654   | 77.04                    | 44.2                      | 1.743                                    | 63.60  | 41.3 | 1.540   |
| August.....                             | 65.99                                   | 42.6                      | 1.549                                 | 73.74                  | 44.5                      | 1.657                                 | 71.32                  | 44.3                      | 1.610   | 72.44   | 43.9                      | 1.650   | 76.95                    | 44.3                      | 1.737                                    | 65.23  | 42.0 | 1.553   |
| Manufacturing—Continued                 |   |                           |                                       |                        |                           |                                       |                        |                           |   |   |                           |   |                          |                           |  |  |      |         |
| Machinery (except electrical)—Continued |   |                           |                                       |                        |                           |                                       |                        |                           |   |   |                           |   |                          |                           |  |  |      |         |
| General industrial machinery            |   |                           | Office and store machines and devices |                        |                           | Computing machines and cash registers |                        |                           | Typewriters   |   |                           | Service-industry and household machines                   |                          |                           | Refrigerators and air-conditioning units |  |      |         |
| 1948: Average.....                      | \$59.78                                 | 41.2                      | \$1.451                               | \$61.49                | 41.1                      | \$1.496                               | \$66.54                | 41.2                      | \$1.615   | \$55.65                                       | 41.1                      | \$1.354   | \$58.98                  | 40.4                      | \$1.480                                  | \$58.29  | 39.9 | \$1.461 |
| 1949: Average.....                      | 59.53                                   | 39.5                      | 1.507                                 | 62.53                  | 39.5                      | 1.583                                 | 67.87                  | 39.9                      | 1.701   | 56.04   | 39.0                      | 1.437   | 60.66                    | 39.7                      | 1.528                                    | 59.98  | 39.0 | 1.538   |
| 1949: August.....                       | 58.39                                   | 38.9                      | 1.501                                 | 60.87                  | 38.6                      | 1.577                                 | 67.15                  | 39.5                      | 1.700   | 54.08   | 37.9                      | 1.427   | 62.48                    | 40.6                      | 1.539                                    | 62.91  | 40.2 | 1.565   |
| September.....                          | 59.00                                   | 39.1                      | 1.509                                 | 62.69                  | 39.5                      | 1.587                                 | 67.93                  | 39.7                      | 1.711   | 56.74   | 39.4                      | 1.440   | 63.71                    | 41.1                      | 1.550                                    | 64.14  | 40.7 | 1.576   |
| October.....                            | 59.72                                   | 39.5                      | 1.512                                 | 62.53                  | 39.5                      | 1.583                                 | 67.80                  | 39.7                      | 1.710   | 56.85   | 39.7                      | 1.432   | 60.99                    | 39.5                      | 1.544                                    | 59.32  | 38.2 | 1.553   |
| November.....                           | 58.29                                   | 38.5                      | 1.514                                 | 62.77                  | 39.5                      | 1.589                                 | 67.91                  | 39.6                      | 1.715   | 56.41   | 39.2                      | 1.439   | 60.49                    | 39.2                      | 1.543                                    | 58.01  | 37.5 | 1.547   |
| December.....                           | 59.96                                   | 39.5                      | 1.518                                 | 64.32                  | 40.0                      | 1.608                                 | 69.97                  | 40.4                      | 1.732   | 56.44   | 38.9                      | 1.451   | 62.61                    | 40.5                      | 1.546                                    | 61.76  | 40.0 | 1.544   |
| 1950: January.....                      | 60.04                                   | 39.5                      | 1.520                                 | 63.84                  | 39.8                      | 1.604                                 | 69.60                  | 40.3                      | 1.727   | 55.77   | 38.7                      | 1.441   | 63.24                    | 40.8                      | 1.550                                    | 62.16  | 40.1 | 1.550   |
| February.....                           | 59.93                                   | 39.4                      | 1.521                                 | 63.64                  | 39.9                      | 1.588                                 | 68.84                  | 40.0                      | 1.722   | 56.41   | 39.2                      | 1.439   | 63.87                    | 41.1                      | 1.554                                    | 63.65  | 40.7 | 1.564   |
| March.....                              | 60.93                                   | 39.9                      | 1.527                                 | 63.18                  | 39.8                      | 1.587                                 | 68.05                  | 39.7                      | 1.714   | 56.47   | 39.3                      | 1.437   | 66.14                    | 42.1                      | 1.571                                    | 66.12  | 41.9 | 1.578   |
| April.....                              | 62.01                                   | 40.4                      | 1.533                                 | 63.60                  | 40.1                      | 1.586                                 | 68.56                  | 40.0                      | 1.714   | 57.41   | 39.7                      | 1.446   | 65.88                    | 41.8                      | 1.576                                    | 66.29  | 41.8 | 1.586   |
| May.....                                | 63.89                                   | 41.3                      | 1.547                                 | 63.98                  | 40.1                      | 1.595                                 | 69.20                  | 40.3                      | 1.717   | 58.19   | 40.1                      | 1.451   | 67.20                    | 42.4                      | 1.585                                    | 68.50  | 43.0 | 1.593   |
| June.....                               | 64.43                                   | 41.3                      | 1.566                                 | 64.52                  | 40.5                      | 1.593                                 | 69.58                  | 40.5                      | 1.718   | 58.35   | 40.2                      | 1.451   | 67.55                    | 42.3                      | 1.597                                    | 68.02  | 42.3 | 1.608   |
| July.....                               | 65.71                                   | 41.8                      | 1.572                                 | 65.93                  | 40.9                      | 1.612                                 | 71.16                  | 40.8                      | 1.744   | 60.32   | 41.2                      | 1.464   | 67.12                    | 41.9                      | 1.602                                    | 67.67  | 41.8 | 1.619   |
| August.....                             | 66.04                                   | 42.5                      | 1.573                                 | 67.84                  | 41.8                      | 1.623                                 | 72.32                  | 41.3                      | 1.751   | 63.94   | 42.8                      | 1.494   | 66.45                    | 41.3                      | 1.609                                    | 65.16  | 41.1 | 1.625   |
| Manufacturing—Continued                 |   |                           |                                       |                        |                           |                                       |                        |                           |   |   |                           |   |                          |                           |  |  |      |         |
| Machinery (except electrical)—Continued |   |                           |                                       |                        |                           |                                       |                        |                           |   |   |                           |   |                          |                           |  |  |      |         |
| Miscellaneous machinery parts           |   |                           | Machine shops (job and repair)        |                        |                           | Total: Electrical machinery           |                        |                           | Electrical generating, transmission, distribution, and industrial apparatus |   |                           | Motors, generators, transformers, and industrial controls |                          |                           | Electrical equipment for vehicles        |  |      |         |
| 1948: Average.....                      | 57.62                                   | 40.1                      | \$1.437                               | 58.77                  | 40.2                      | \$1.462                               | \$55.66                | 40.1                      | \$1.388   | \$58.34                                       | 40.4                      | \$1.444   | \$59.55                  | 40.4                      | \$1.474                                  | \$56.77  | 39.7 | \$1.430 |
| 1949: Average.....                      | 57.59                                   | 38.6                      | 1.492                                 | 58.70                  | 39.0                      | 1.505                                 | 56.96                  | 39.5                      | 1.442   | 59.61   | 39.5                      | 1.500   | 61.30                    | 39.7                      | 1.544                                    | 59.16  | 39.1 | 1.513   |
| 1949: August.....                       | 57.29                                   | 38.5                      | 1.498                                 | 58.31                  | 39.0                      | 1.495                                 | 56.73                  | 39.1                      | 1.451   | 59.74   | 39.3                      | 1.520   | 61.62                    | 39.6                      | 1.556                                    | 62.79  | 40.8 | 1.539   |
| September.....                          | 57.37                                   | 38.4                      | 1.494                                 | 56.44                  | 37.7                      | 1.497                                 | 57.88                  | 40.0                      | 1.447   | 60.22   | 39.8                      | 1.513   | 62.16                    | 40.1                      | 1.550                                    | 62.90  | 40.9 | 1.538   |
| October.....                            | 58.08                                   | 38.9                      | 1.493                                 | 58.81                  | 38.1                      | 1.491                                 | 57.97                  | 40.4                      | 1.435   | 59.89   | 39.9                      | 1.501   | 61.51                    | 40.1                      | 1.534                                    | 59.95  | 39.7 | 1.510   |
| November.....                           | 58.50                                   | 39.0                      | 1.500                                 | 55.39                  | 37.1                      | 1.493                                 | 57.36                  | 40.0                      | 1.434   | 59.67   | 39.7                      | 1.503   | 61.06                    | 39.7                      | 1.538                                    | 52.65  | 35.1 | 1.500   |
| December.....                           | 59.45                                   | 39.4                      | 1.509                                 | 59.67                  | 39.7                      | 1.503                                 | 58.63                  | 40.6                      | 1.444   | 61.67   | 40.8                      | 1.519   | 63.57                    | 40.8                      | 1.558                                    | 57.90  | 38.5 | 1.504   |
| 1950: January.....                      | 59.64                                   | 39.6                      | 1.506                                 | 56.86                  | 39.8                      | 1.504                                 | 58.44                  | 40.5                      | 1.443   | 60.46   | 40.2                      | 1.504   | 62.02                    | 40.3                      | 1.539                                    | 60.10  | 39.7 | 1.516   |
| February.....                           | 61.18                                   | 40.3                      | 1.518                                 | 60.79                  | 40.1                      | 1.516                                 | 58.26                  | 40.4                      | 1.442   | 60.04   | 40.0                      | 1.501   | 61.16                    | 40.0                      | 1.529                                    | 61.38  | 40.3 | 1.523   |
| March.....                              | 62.01                                   | 40.5                      | 1.531                                 | 60.42                  | 39.8                      | 1.508                                 | 58.45                  | 40.5                      | 1.443   | 60.79   | 40.1                      | 1.511   | 62.79                    | 40.1                      | 1.543                                    | 63.73  | 41.3 | 1.543   |
| April.....                              | 63.05                                   | 41.1                      | 1.534                                 | 62.92                  | 40.6                      | 1.525                                 | 59.71                  | 40.6                      | 1.446   | 60.97   | 40.3                      | 1.513   | 62.65                    | 40.6                      | 1.543                                    | 64.88  | 41.8 | 1.546   |
| May.....                                | 62.42                                   | 40.8                      | 1.539                                 | 62.72                  | 41.1                      | 1.529                                 | 59.58                  | 40.8                      | 1.451   | 61.85   | 40.7                      | 1.516   | 63.09                    | 40.9                      | 1.543                                    | 63.92  | 43.8 | 1.578   |
| June.....                               | 63.22                                   | 41.0                      | 1.542                                 | 63.06                  | 41.6                      | 1.535                                 | 58.62                  | 40.4                      | 1.451   | 61.95   | 40.7                      | 1.522   | 63.05                    | 40.6                      | 1.553                                    | 69.40  | 42.0 | 1.581   |
| July.....                               | 65.12                                   | 41.8                      | 1.558                                 | 64.72                  | 41.7                      | 1.552                                 | 59.79                  | 40.7                      | 1.469   | 63.32   | 40.8                      | 1.552   | 64.47                    | 40.7                      | 1.584                                    | 66.03  | 41.5 | 1.591   |
| August.....                             | 67.30                                   | 42.7                      | 1.576                                 | 65.42                  | 42.1                      | 1.554                                 | 60.46                  | 41.1                      | 1.471   | 64.90   | 41.6                      | 1.560   | 65.78                    | 41.4                      | 1.589                                    | 66.65  | 42.0 | 1.587   |

See footnotes at end of table.

TABLE C-1: Hours and Gross Earnings of Production Workers or Nonsupervisory Employees<sup>1</sup>—Con.

| Year and month                     | Manufacturing—Continued        |                 |                    |                            |   |                 |                               |                 |                                   |                                    |                    |                 |  |             |         |         |      |         |
|------------------------------------|--------------------------------|-----------------|--------------------|----------------------------|---|-----------------|-------------------------------|-----------------|-----------------------------------|------------------------------------|--------------------|-----------------|--|-------------|---------|---------|------|---------|
|                                    | Electrical machinery—Continued |                 |                    |                            |   |                 |                               |                 |                                   |                                    |                    |                 |  |             |         |         |      |         |
|                                    | Communication equipment        |                 |                    |                            | Radios, phonographs, television sets, and equipment |                 |                               |                 | Telephone and telegraph equipment |                                    |                    |                 | Electrical appliances, lamps, and miscellaneous products |             |         |         |      |         |
|                                    | Avg. wky. earnings             | Avg. wky. hours | Avg. wky. earnings | Avg. wky. hours            | Avg. wky. earnings                                  | Avg. wky. hours | Avg. wky. earnings            | Avg. wky. hours | Avg. wky. earnings                | Avg. wky. hours                    | Avg. wky. earnings | Avg. wky. hours | Total: Transportation equipment                          | Automobiles |         |         |      |         |
| 1948: Average.....                 | \$52.10                        | 39.8            | \$1.209            | \$48.83                    | 39.2  | \$1.238         | \$59.54                       | 40.7            | \$1.462                           | \$56.08                            | 40.2               | \$1.395         | \$61.58  | 39.0        | \$1.579 | \$61.86 | 38.4 | \$1.611 |
| 1949: Average.....                 | 53.56                          | 39.5            | 1.326              | 50.68                      | 39.5  | 1.283           | 61.43                         | 39.3            | 1.503                             | 56.52                              | 39.5               | 1.431           | 64.95  | 39.2        | 1.657   | 65.97   | 38.9 | 1.696   |
| 1949: August.....                  | 52.20                          | 38.3            | 1.363              | 48.60                      | 38.0  | 1.279           | 61.54                         | 39.2            | 1.570                             | 55.77                              | 39.3               | 1.419           | 65.90  | 39.7        | 1.600   | 67.78   | 39.8 | 1.703   |
| September.....                     | 54.44                          | 40.0            | 1.361              | 52.62                      | 40.5  | 1.287           | 61.90                         | 39.1            | 1.583                             | 56.79                              | 39.8               | 1.427           | 67.13  | 40.1        | 1.674   | 69.33   | 40.4 | 1.716   |
| October.....                       | 55.66                          | 41.2            | 1.351              | 53.46                      | 41.6  | 1.285           | 62.33                         | 39.4            | 1.582                             | 57.67                              | 40.3               | 1.431           | 64.75  | 39.1        | 1.656   | 65.87   | 39.0 | 1.689   |
| November.....                      | 55.09                          | 41.1            | 1.355              | 53.52                      | 41.3  | 1.296           | 62.92                         | 39.5            | 1.593                             | 57.71                              | 40.3               | 1.432           | 61.92  | 37.3        | 1.600   | 61.03   | 36.2 | 1.668   |
| December.....                      | 55.69                          | 41.1            | 1.355              | 53.52                      | 41.3  | 1.296           | 63.12                         | 39.5            | 1.598                             | 58.26                              | 40.4               | 1.442           | 65.31  | 38.9        | 1.679   | 65.44   | 38.2 | 1.713   |
| 1950: January.....                 | 55.56                          | 41.0            | 1.355              | 53.05                      | 41.0  | 1.294           | 63.68                         | 39.7            | 1.604                             | 59.00                              | 40.5               | 1.459           | 68.12  | 40.5        | 1.682   | 70.14   | 40.9 | 1.715   |
| February.....                      | 55.32                          | 40.8            | 1.356              | 52.62                      | 40.6  | 1.296           | 63.63                         | 39.5            | 1.611                             | 58.78                              | 40.4               | 1.453           | 66.58  | 39.7        | 1.677   | 67.64   | 39.6 | 1.708   |
| March.....                         | 54.82                          | 40.7            | 1.347              | 52.54                      | 40.6  | 1.294           | 62.92                         | 39.2            | 1.587                             | 58.68                              | 40.3               | 1.456           | 67.46  | 40.2        | 1.678   | 69.08   | 40.4 | 1.710   |
| April.....                         | 54.23                          | 40.5            | 1.339              | 52.21                      | 40.1  | 1.289           | 63.55                         | 39.5            | 1.618                             | 59.26                              | 40.5               | 1.476           | 70.16  | 41.5        | 1.707   | 73.72   | 41.2 | 1.748   |
| May.....                           | 53.77                          | 40.1            | 1.311              | 51.22                      | 40.2  | 1.289           | 64.23                         | 39.6            | 1.622                             | 60.60                              | 41.0               | 1.478           | 69.62  | 41.0        | 1.668   | 71.96   | 41.4 | 1.731   |
| June.....                          | 54.11                          | 40.2            | 1.346              | 51.93                      | 40.1  | 1.295           | 64.64                         | 39.8            | 1.624                             | 57.62                              | 39.6               | 1.455           | 72.53  | 42.0        | 1.727   | 75.76   | 42.8 | 1.770   |
| July.....                          | 54.55                          | 40.5            | 1.347              | 52.46                      | 40.6  | 1.292           | 64.48                         | 39.8            | 1.620                             | 60.20                              | 40.4               | 1.490           | 71.41  | 41.3        | 1.729   | 73.99   | 41.8 | 1.770   |
| August.....                        | 55.11                          | 40.7            | 1.354              | 52.81                      | 40.5  | 1.304           | 66.09                         | 40.2            | 1.644                             | 59.63                              | 40.4               | 1.476           | 72.65  | 41.8        | 1.738   | 75.24   | 42.2 | 1.783   |
| Manufacturing—Continued            |                                |                 |                    |                            |   |                 |                               |                 |                                   |                                    |                    |                 |  |             |         |         |      |         |
| Transportation equipment—Continued |                                |                 |                    |                            |   |                 |                               |                 |                                   |                                    |                    |                 |  |             |         |         |      |         |
| Aircraft and parts                 | Aircraft                       |                 |                    | Aircraft engines and parts |   |                 | Aircraft propellers and parts |                 |                                   | Other aircraft parts and equipment |                    |                 | Ship and boat building and repairing                     |             |         |         |      |         |
|                                    |                                |                 |                    |                            |   |                 |                               |                 |                                   |                                    |                    |                 |  |             |         |         |      |         |
| 1948: Average.....                 | \$61.21                        | 41.0            | \$1.493            | \$60.21                    | 41.1  | \$1.465         | \$63.40                       | 40.9            | \$1.550                           | \$62.13                            | 39.7               | \$1.565         | \$63.59  | 41.0        | \$1.851 | \$60.68 | 38.7 | \$1.568 |
| 1949: Average.....                 | 63.62                          | 40.6            | 1.567              | 62.69                      | 40.5  | 1.548           | 65.24                         | 40.7            | 1.603                             | 66.83                              | 41.0               | 1.630           | 65.08  | 40.4        | 1.611   | 61.67   | 38.0 | 1.623   |
| 1949: August.....                  | 62.07                          | 40.2            | 1.544              | 61.46                      | 40.3  | 1.525           | 61.66                         | 39.4            | 1.565                             | 66.42                              | 40.9               | 1.624           | 65.98  | 40.6        | 1.625   | 66.05   | 37.3 | 1.616   |
| September.....                     | 63.58                          | 40.6            | 1.566              | 62.26                      | 40.4  | 1.541           | 65.72                         | 41.0            | 1.603                             | 68.60                              | 41.4               | 1.657           | 66.83  | 40.8        | 1.638   | 61.00   | 37.7 | 1.618   |
| October.....                       | 63.67                          | 40.5            | 1.572              | 62.42                      | 40.3  | 1.540           | 64.64                         | 40.2            | 1.608                             | 65.73                              | 40.5               | 1.623           | 69.17  | 42.1        | 1.643   | 59.11   | 36.4 | 1.624   |
| November.....                      | 66.69                          | 41.5            | 1.607              | 66.15                      | 41.8  | 1.584           | 68.62                         | 42.1            | 1.730                             | 64.27                              | 39.6               | 1.623           | 87.90  | 41.2        | 1.648   | 56.97   | 34.8 | 1.637   |
| December.....                      | 66.41                          | 41.2            | 1.612              | 66.16                      | 41.3  | 1.602           | 67.16                         | 41.5            | 1.638                             | 71.53                              | 41.3               | 1.635           | 62.86  | 38.4        | 1.637   |         |      |         |
| 1950: January.....                 | 65.20                          | 40.7            | 1.602              | 64.63                      | 40.7  | 1.588           | 65.00                         | 40.1            | 1.621                             | 68.88                              | 42.0               | 1.640           | 67.40  | 40.9        | 1.648   | 61.46   | 37.8 | 1.626   |
| February.....                      | 65.69                          | 40.7            | 1.614              | 60.50                      | 40.6  | 1.601           | 64.70                         | 40.7            | 1.630                             | 70.18                              | 41.6               | 1.687           | 67.81  | 41.0        | 1.654   | 61.16   | 37.5 | 1.631   |
| March.....                         | 65.29                          | 40.5            | 1.612              | 64.36                      | 40.3  | 1.597           | 66.99                         | 41.1            | 1.630                             | 66.65                              | 40.2               | 1.658           | 67.97  | 40.8        | 1.666   | 62.53   | 38.2 | 1.637   |
| April.....                         | 64.96                          | 40.3            | 1.612              | 64.24                      | 40.2  | 1.598           | 66.10                         | 40.7            | 1.624                             | 67.06                              | 40.3               | 1.654           | 67.06  | 40.4        | 1.660   | 62.08   | 37.9 | 1.638   |
| May.....                           | 65.61                          | 40.8            | 1.608              | 64.68                      | 40.6  | 1.593           | 68.35                         | 41.6            | 1.643                             | 63.85                              | 39.1               | 1.633           | 67.73  | 40.9        | 1.656   | 63.21   | 38.4 | 1.646   |
| June.....                          | 65.32                          | 40.7            | 1.605              | 64.48                      | 40.5  | 1.592           | 67.85                         | 41.5            | 1.635                             | 67.25                              | 40.2               | 1.673           | 67.98  | 40.9        | 1.662   | 62.39   | 38.3 | 1.629   |
| July.....                          | 66.34                          | 41.1            | 1.614              | 64.84                      | 40.7  | 1.593           | 71.84                         | 42.3            | 1.663                             | 71.87                              | 42.2               | 1.703           | 69.09  | 41.0        | 1.685   | 63.25   | 38.1 | 1.660   |
| August.....                        | 68.58                          | 42.1            | 1.629              | 67.33                      | 41.9  | 1.607           | 72.78                         | 43.4            | 1.677                             | 78.54                              | 44.3               | 1.773           | 67.69  | 40.9        | 1.655   | 64.16   | 39.1 | 1.641   |
| Manufacturing—Continued            |                                |                 |                    |                            |   |                 |                               |                 |                                   |                                    |                    |                 |  |             |         |         |      |         |
| Transportation equipment—Continued |                                |                 |                    |                            |   |                 |                               |                 |                                   |                                    |                    |                 |  |             |         |         |      |         |
| Shipbuilding and repairing         | Railroad equipment             |                 |                    | Locomotives and parts      |   |                 | Railroad and streetcars       |                 |                                   | Other transportation equipment     |                    |                 | Instruments and related products                         |             |         |         |      |         |
|                                    |                                |                 |                    |                            |   |                 |                               |                 |                                   |                                    |                    |                 |  |             |         |         |      |         |
| 1948: Average.....                 | \$61.22                        | 38.7            | \$1.582            | \$62.24                    | 40.0  | \$1.556         | \$63.80                       | 39.6            | \$1.611                           | \$60.82                            | 40.2               | \$1.513         | \$58.14  | 40.8        | \$1.425 | \$53.45 | 40.1 | \$1.333 |
| 1949: Average.....                 | 61.88                          | 37.8            | 1.637              | 63.54                      | 39.2  | 1.621           | 65.47                         | 39.3            | 1.666                             | 61.70                              | 38.9               | 1.586           | 57.60  | 39.7        | 1.451   | 55.28   | 39.6 | 1.396   |
| 1949: August.....                  | 60.14                          | 37.1            | 1.621              | 62.05                      | 38.4  | 1.616           | 66.62                         | 38.8            | 1.717                             | 59.93                              | 38.1               | 1.573           | 58.46  | 40.4        | 1.447   | 54.25   | 39.0 | 1.391   |
| September.....                     | 61.24                          | 37.5            | 1.633              | 61.84                      | 38.1  | 1.623           | 64.44                         | 38.7            | 1.665                             | 59.87                              | 38.2               | 1.588           | 62.85  | 41.9        | 1.499   | 55.26   | 39.5 | 1.396   |
| October.....                       | 59.33                          | 36.2            | 1.632              | 62.49                      | 38.5  | 1.623           | 65.07                         | 39.2            | 1.600                             | 60.06                              | 37.8               | 1.589           | 63.11  | 42.1        | 1.499   | 56.08   | 39.8 | 1.406   |
| November.....                      | 57.06                          | 34.5            | 1.654              | 63.16                      | 38.3  | 1.649           | 66.48                         | 39.2            | 1.696                             | 59.75                              | 37.3               | 1.602           | 59.99  | 40.1        | 1.496   | 56.52   | 40.0 | 1.412   |
| December.....                      | 63.31                          | 38.3            | 1.653              | 63.39                      | 38.7  | 1.638           | 65.56                         | 39.4            | 1.664                             | 61.18                              | 38.0               | 1.610           | 55.43  | 38.2        | 1.451   | 56.84   | 40.0 | 1.421   |
| 1950: January.....                 | 61.74                          | 37.6            | 1.642              | 61.60                      | 38.0  | 1.621           | 63.29                         | 38.9            | 1.627                             | 59.77                              | 37.1               | 1.611           | 58.67  | 41.0        | 1.431   | 56.49   | 39.7 | 1.423   |
| February.....                      | 61.55                          | 37.3            | 1.650              | 64.89                      | 39.4  | 1.647           | 67.48                         | 40.0            | 1.687                             | 62.07                              | 38.7               | 1.604           | 60.03  | 40.4        | 1.486   | 56.86   | 39.9 | 1.426   |
| March.....                         | 63.30                          | 38.2            | 1.657              | 64.21                      | 39.2  | 1.638           | 67.42                         | 40.2            | 1.677                             | 60.93                              | 38.2               | 1.595           | 58.13  | 39.2        | 1.483   | 57.40   | 40.0 | 1.435   |
| April.....                         | 62.57                          | 37.6            | 1.664              | 64.52                      | 39.2  | 1.646           | 67.46                         | 40.2            | 1.678                             | 61.19                              | 38.1               | 1.606           | 58.58  | 39.5        | 1.483   | 57.52   | 40.0 | 1.438   |
| May.....                           | 64.02                          | 38.2            | 1.676              | 64.99                      | 39.8  | 1.633           | 68.59                         | 40.9            | 1.677                             | 61.02                              | 38.5               | 1.585           | 60.22  | 40.2        | 1.498   | 58.34   | 40.4 | 1.444   |
| June.....                          | 62.91                          | 37.9            | 1.660              | 64.56                      | 39.2  | 1.647           | 67.86                         | 39.5            | 1.718                             | 61.58                              | 39.0               | 1.579           | 61.06  | 40.9        | 1.493   | 58.93   | 40.7 | 1.448   |
| July.....                          | 63.38                          | 37.5            | 1.660              | 64.44                      | 39.1  | 1.648           | 68.64                         | 40.4            | 1.699                             | 60.18                              | 37.8               | 1.592           | 60.13  | 40.3        | 1.492   | 58.96   | 40.8 | 1.445   |
| August.....                        | 64.74                          | 39.0            | 1.660              | 65.54                      | 39.6  | 1.655           | 68.71                         | 40.3            | 1.705                             | 63.24                              | 39.5               | 1.601           | 58.92  | 39.2        | 1.503   | 60.19   | 41.0 | 1.468   |

See footnotes at end of table.

TABLE C-1: Hours and Gross Earnings of Production Workers or Nonsupervisory Employees<sup>1</sup>—Con.

| Year and month                                   | Manufacturing—Continued                    |                 |                            |                        |                 |                         |                    |                 |                                   |   |                 |  |                    |                 | Miscellaneous manufacturing industries |                    |                 |                     |
|--|--|-----------------|----------------------------|------------------------|-----------------|-------------------------|--------------------|-----------------|-----------------------------------|---|-----------------|--|--------------------|-----------------|--|--------------------|-----------------|---------------------|
|  | Instruments and related products—Continued |                 |                            |                        |                 |                         |                    |                 |                                   |   |                 |  |                    |                 |  |                    |                 |                     |
|  | Ophthalmic goods                           |                 |                            | Photographic apparatus |                 |                         | Watches and clocks |                 |                                   | Professional and scientific instruments |                 |  | Avg. wky. earnings | Avg. wky. hours | Avg. hrly. earnings                    | Avg. wky. earnings | Avg. wky. hours | Avg. hrly. earnings |
|  | Avg. wky. earnings                         | Avg. wky. hours | Avg. hrly. earnings        | Avg. wky. earnings     | Avg. wky. hours | Avg. hrly. earnings     | Avg. wky. earnings | Avg. wky. hours | Avg. hrly. earnings               | Avg. wky. earnings                      | Avg. wky. hours | Avg. hrly. earnings                          |                    |                 |  | Avg. wky. earnings | Avg. wky. hours | Avg. hrly. earnings |
| 1948: Average.....                               | \$45.54                                    | 39.7            | \$1.147                    | \$28.64                | 40.5            | \$1.448                 | \$48.84            | 40.1            | \$1.218                           | \$54.78                                 | 40.1            | \$1.366                                      | \$50.06            | 40.9            | \$1.224                                | \$57.25            | 43.6            | \$1.313             |
| 1949: Average.....                               | 47.04                                      | 39.6            | 1.188                      | 59.91                  | 39.7            | 1.809                   | 49.53              | 39.0            | 1.270                             | 57.01                                   | 39.7            | 1.436  | 50.23              | 39.9            | 1.259                                  | 55.06              | 41.4            | 1.330               |
| 1949: August.....                                | 45.47                                      | 38.6            | 1.178                      | 58.73                  | 30.1            | 1.502                   | 48.43              | 38.5            | 1.258                             | 58.43                                   | 30.3            | 1.436  | 48.51              | 38.9            | 1.247                                  | 50.13              | 38.5            | 1.302               |
| September.....                                   | 47.64                                      | 39.9            | 1.194                      | 59.72                  | 39.6            | 1.508                   | 49.75              | 39.3            | 1.266                             | 58.97                                   | 39.4            | 1.446  | 50.57              | 40.2            | 1.258                                  | 54.79              | 41.6            | 1.317               |
| October.....                                     | 47.60                                      | 40.0            | 1.190                      | 60.26                  | 39.8            | 1.514                   | 50.69              | 39.6            | 1.280                             | 58.17                                   | 39.9            | 1.458  | 51.44              | 40.7            | 1.264                                  | 60.29              | 44.2            | 1.364               |
| November.....                                    | 47.80                                      | 40.1            | 1.192                      | 62.27                  | 40.7            | 1.530                   | 51.18              | 39.8            | 1.286                             | 57.99                                   | 39.8            | 1.457  | 51.70              | 40.9            | 1.264                                  | 61.28              | 44.6            | 1.374               |
| December.....                                    | 48.20                                      | 40.2            | 1.199                      | 62.40                  | 40.6            | 1.537                   | 50.23              | 39.0            | 1.288                             | 58.67                                   | 40.1            | 1.463  | 52.23              | 40.9            | 1.277                                  | 59.69              | 43.6            | 1.369               |
| 1950: January.....                               | 46.88                                      | 39.2            | 1.196                      | 61.00                  | 40.0            | 1.540                   | 49.86              | 38.5            | 1.285                             | 58.64                                   | 40.0            | 1.466  | 51.78              | 40.2            | 1.288                                  | 56.62              | 41.9            | 1.325               |
| February.....                                    | 47.60                                      | 39.6            | 1.202                      | 61.95                  | 40.1            | 1.845                   | 50.18              | 38.9            | 1.290                             | 58.71                                   | 40.1            | 1.464  | 51.62              | 40.2            | 1.284                                  | 55.93              | 41.4            | 1.351               |
| March.....                                       | 47.15                                      | 39.0            | 1.200                      | 62.23                  | 40.2            | 1.548                   | 50.57              | 38.9            | 1.300                             | 59.55                                   | 40.4            | 1.474  | 51.82              | 40.2            | 1.289                                  | 57.25              | 42.0            | 1.363               |
| April.....                                       | 47.63                                      | 39.2            | 1.215                      | 63.05                  | 40.6            | 1.553                   | 50.01              | 38.5            | 1.299                             | 59.59                                   | 40.4            | 1.475  | 51.94              | 40.2            | 1.292                                  | 56.16              | 41.2            | 1.363               |
| May.....   | 49.74                                      | 40.6            | 1.225                      | 63.21                  | 40.7            | 1.553                   | 49.97              | 38.2            | 1.308                             | 60.42                                   | 40.8            | 1.481  | 52.47              | 40.3            | 1.302                                  | 56.40              | 41.5            | 1.359               |
| June.....  | 51.21                                      | 41.2            | 1.243                      | 63.53                  | 40.7            | 1.561                   | 49.72              | 38.1            | 1.305                             | 61.08                                   | 41.3            | 1.479  | 52.69              | 40.5            | 1.301                                  | 56.00              | 41.3            | 1.356               |
| July.....  | 51.21                                      | 41.0            | 1.249                      | 63.40                  | 40.8            | 1.554                   | 49.01              | 37.5            | 1.307                             | 61.13                                   | 41.5            | 1.473  | 52.93              | 40.5            | 1.307                                  | 56.77              | 41.5            | 1.368               |
| August.....                                      | 52.17                                      | 41.6            | 1.254                      | 65.64                  | 41.6            | 1.578                   | 48.71              | 37.3            | 1.306                             | 62.52                                   | 41.6            | 1.503  | 54.91              | 41.6            | 1.320                                  | 60.33              | 43.4            | 1.390               |
| Manufacturing—Continued                          |  |                 |                            |                        |                 |                         |                    |                 |                                   |   |                 |  |                    |                 |  |                    |                 |                     |
| Miscellaneous manufacturing industries—Continued |  |                 |                            |                        |                 |                         |                    |                 |                                   |   |                 |  |                    |                 |  |                    |                 |                     |
| Jewelry and findings                             |  |                 | Silverware and plated ware |                        |                 | Toys and sporting goods |                    |                 | Costume jewelry, buttons, notions |   |                 | Other miscellaneous manufacturing industries |                    |                 | Class I railroads <sup>2</sup>         |                    |                 |                     |
| 1948: Average.....                               | \$50.47                                    | 41.2            | \$1.225                    | \$62.38                | 45.4            | \$1.374                 | \$47.24            | 40.1            | \$1.178                           | \$45.36                                 | 40.0            | \$1.134                                      | \$50.39            | 40.7            | \$1.238                                | \$60.34            | 46.1            | \$1.309             |
| 1949: Average.....                               | 51.33                                      | 40.8            | 1.238                      | 58.30                  | 42.0            | 1.388                   | 47.00              | 39.1            | 1.202                             | 46.06                                   | 39.3            | 1.172  | 51.20              | 40.0            | 1.280                                  | 61.73              | 43.5            | 1.419               |
| 1949: August.....                                | 48.11                                      | 38.8            | 1.240                      | 51.88                  | 38.2            | 1.358                   | 45.67              | 38.8            | 1.177                             | 43.88                                   | 37.5            | 1.170  | 50.11              | 39.3            | 1.275                                  | 62.64              | 40.4            | 1.354               |
| September.....                                   | 51.09                                      | 41.1            | 1.243                      | 57.53                  | 41.6            | 1.383                   | 47.60              | 39.7            | 1.199                             | 45.90                                   | 39.2            | 1.171  | 51.75              | 40.3            | 1.284                                  | 60.98              | 39.6            | 1.357               |
| October.....                                     | 54.19                                      | 42.7            | 1.269                      | 65.85                  | 45.6            | 1.444                   | 48.36              | 40.3            | 1.200                             | 47.48                                   | 39.5            | 1.202  | 51.55              | 40.4            | 1.276                                  | 58.98              | 38.3            | 1.357               |
| November.....                                    | 54.44                                      | 42.7            | 1.275                      | 67.23                  | 46.3            | 1.452                   | 49.45              | 40.8            | 1.212                             | 46.18                                   | 39.3            | 1.175  | 51.77              | 40.6            | 1.275                                  | 61.60              | 40.0            | 1.343               |
| December.....                                    | 54.44                                      | 42.1            | 1.293                      | 64.13                  | 45.0            | 1.428                   | 47.08              | 39.1            | 1.204                             | 46.93                                   | 39.5            | 1.188  | 53.35              | 41.2            | 1.285                                  | 61.45              | 39.9            | 1.347               |
| 1950: January.....                               | 51.91                                      | 41.0            | 1.295                      | 58.40                  | 42.6            | 1.371                   | 48.05              | 39.3            | 1.223                             | 47.24                                   | 39.4            | 1.199  | 52.83              | 40.3            | 1.311                                  | 61.69              | 39.8            | 1.350               |
| February.....                                    | 51.31                                      | 40.4            | 1.270                      | 60.21                  | 42.4            | 1.420                   | 48.47              | 39.6            | 1.222                             | 47.24                                   | 39.3            | 1.202  | 52.59              | 40.3            | 1.305                                  | 62.37              | 39.8            | 1.367               |
| March.....                                       | 52.09                                      | 40.6            | 1.283                      | 61.42                  | 43.1            | 1.425                   | 49.24              | 39.9            | 1.234                             | 47.63                                   | 39.2            | 1.215  | 52.46              | 40.2            | 1.305                                  | 63.73              | 41.6            | 1.352               |
| April.....                                       | 51.89                                      | 40.1            | 1.294                      | 59.74                  | 42.1            | 1.419                   | 49.88              | 39.9            | 1.230                             | 47.54                                   | 38.9            | 1.222  | 52.53              | 40.3            | 1.304                                  | 61.69              | 39.9            | 1.346               |
| May.....   | 52.50                                      | 40.7            | 1.290                      | 59.57                  | 42.1            | 1.415                   | 49.84              | 40.0            | 1.246                             | 47.58                                   | 39.0            | 1.220  | 53.45              | 40.4            | 1.323                                  | 61.75              | 40.2            | 1.356               |
| June.....  | 51.55                                      | 40.4            | 1.276                      | 59.74                  | 42.1            | 1.419                   | 49.56              | 39.9            | 1.242                             | 47.34                                   | 38.8            | 1.220  | 53.98              | 40.8            | 1.323                                  | 64.19              | 41.9            | 1.352               |
| July.....  | 50.95                                      | 39.9            | 1.277                      | 61.17                  | 42.6            | 1.436                   | 49.80              | 39.6            | 1.248                             | 48.44                                   | 39.1            | 1.239  | 53.97              | 40.7            | 1.326                                  | 61.19              | 39.4            | 1.353               |
| August.....                                      | 54.40                                      | 42.3            | 1.280                      | 65.30                  | 44.3            | 1.474                   | 51.64              | 40.6            | 1.272                             | 50.80                                   | 40.8            | 1.245  | 55.71              | 41.7            | 1.336                                  |                    |                 |                     |

See footnotes at end of table.

TABLE C-1: Hours and Gross Earnings of Production Workers or Nonsupervisory Employees<sup>1</sup>—Con.

| Year and month     | Transportation and public utilities—Continued |                      |                             |  |                      |                             |                                |  |                             |                                |  |                                   |   |                      |                             |
|--------------------|---|----------------------|-----------------------------|--|----------------------|-----------------------------|--------------------------------|--|-----------------------------|--------------------------------|--|-----------------------------------|---|----------------------|-----------------------------|
|                    | Local railways and bus lines <sup>2</sup>     |                      |                             | Telephone  |                      |                             |                                | Switchboard operating employees <sup>3</sup>     |                             |                                | Line construction, installation, and maintenance employees <sup>10</sup> |                                   | Telegraph <sup>11</sup>                         |                      |                             |
|                    | Avg. wklly. earn-<br>ings                     | Avg. wklly.<br>hours | Avg. hrly.<br>earn-<br>ings | Avg. wklly. earn-<br>ings                        | Avg. wklly.<br>hours | Avg. hrly.<br>earn-<br>ings | Avg. wklly. earn-<br>ings      | Avg. wklly.<br>hours                             | Avg. hrly.<br>earn-<br>ings | Avg. wklly. earn-<br>ings      | Avg. wklly.<br>hours   | Avg. hrly.<br>earn-<br>ings       | Avg. wklly. earn-<br>ings                       | Avg. wklly.<br>hours | Avg. hrly.<br>earn-<br>ings |
|                    |   |                      |                             |  |                      |                             |                                |  |                             |                                |  |                                   |   |                      |                             |
| 1948: Average..... | \$61.73                                       | 46.1                 | \$1.339                     | \$48.92  | 39.2                 | \$1.248                     | -----                          | -----  | -----                       | -----                          | -----  | -----                             | \$60.26   | 44.7                 | \$1.348                     |
| 1949: Average..... | 64.61   | 44.9                 | 1.439                       | 51.75  | 38.5                 | 1.345                       | -----                          | -----  | -----                       | -----                          | -----  | -----                             | 62.85   | 44.7                 | 1.406                       |
| 1949: August.....  | 64.46   | 44.7                 | 1.442                       | 51.87  | 38.4                 | 1.343                       | 44.23                          | 36.8   | 1.202                       | 69.22                          | 41.6   | 1.664                             | 63.64   | 45.1                 | 1.411                       |
| September.....     | 64.55   | 44.3                 | 1.457                       | 52.61  | 38.6                 | 1.363                       | 45.37                          | 37.1   | 1.223                       | 70.10                          | 41.7   | 1.681                             | 62.82   | 44.5                 | 1.412                       |
| October.....       | 64.31   | 44.2                 | 1.455                       | 52.29  | 38.7                 | 1.377                       | 46.35                          | 37.2   | 1.246                       | 70.35                          | 41.6   | 1.691                             | 62.97   | 44.5                 | 1.415                       |
| November.....      | 64.17   | 44.1                 | 1.455                       | 54.40  | 38.8                 | 1.402                       | 48.04                          | 37.3   | 1.288                       | 71.35                          | 41.7   | 1.711                             | 62.05   | 43.7                 | 1.420                       |
| December.....      | 65.10   | 44.5                 | 1.465                       | 52.49  | 38.4                 | 1.367                       | 44.42                          | 36.5   | 1.217                       | 70.89                          | 41.8   | 1.698                             | 62.23   | 43.7                 | 1.424                       |
| 1950: January..... | 65.11   | 44.2                 | 1.473                       | 53.13  | 38.5                 | 1.380                       | 44.58                          | 36.3   | 1.228                       | 72.46                          | 42.3   | 1.713                             | 62.84   | 44.1                 | 1.425                       |
| February.....      | 65.22   | 44.4                 | 1.469                       | 53.69  | 38.6                 | 1.393                       | 45.82                          | 36.8   | 1.245                       | 72.33                          | 42.2   | 1.714                             | 62.97   | 44.1                 | 1.428                       |
| March.....         | 65.53   | 44.4                 | 1.476                       | 52.98  | 38.5                 | 1.376                       | 45.03                          | 36.7   | 1.227                       | 70.55                          | 41.6   | 1.696                             | 62.93   | 44.1                 | 1.427                       |
| April.....         | 65.90   | 44.5                 | 1.481                       | 52.44  | 38.7                 | 1.381                       | 46.19                          | 37.4   | 1.238                       | 70.76                          | 41.6   | 1.701                             | 64.13   | 44.6                 | 1.438                       |
| May.....           | 66.56   | 44.8                 | 1.486                       | 53.72  | 38.9                 | 1.381                       | 46.20                          | 37.5   | 1.233                       | 71.48                          | 41.8   | 1.710                             | 65.38   | 45.4                 | 1.440                       |
| June.....          | 67.41   | 45.3                 | 1.488                       | 54.19  | 39.1                 | 1.386                       | 46.61                          | 37.8   | 1.233                       | 72.28                          | 42.0   | 1.721                             | 64.21   | 44.9                 | 1.439                       |
| July.....          | 67.24   | 44.8                 | 1.501                       | 54.02  | 39.4                 | 1.394                       | 47.77                          | 38.4   | 1.244                       | 72.74                          | 42.0   | 1.732                             | 64.13   | 45.0                 | 1.425                       |
| August.....        | 67.24   | 44.8                 | 1.501                       | 54.71  | 39.3                 | 1.392                       | 47.90                          | 38.6   | 1.241                       | 72.64                          | 41.7   | 1.742                             | 63.99   | 45.0                 | 1.422                       |
|                    | Transportation and public utilities—Continued |                      |                             | Trade  |                      |                             |                                |  |                             |                                |  |                                   |   |                      |                             |
|                    | Other public utilities                        |                      |                             | Wholesale trade                                  |                      |                             |                                | Retail trade (except eating and drinking places) |                             |                                | General merchandise stores   |                                   | Department stores and general mail-order houses |                      |                             |
|                    | Gas and electric utilities                    |                      |                             | Retail trade (except eating and drinking places) |                      |                             |                                | General merchandise stores                       |                             |                                | Department stores and general mail-order houses                          |                                   |   |                      |                             |
| 1948: Average..... | \$60.74                                       | 41.8                 | \$1.453                     | \$55.68  | 40.9                 | \$1.350                     | \$43.85                        | 40.3   | \$1.088                     | \$33.31                        | 36.6   | \$0.910                           | \$37.56   | 37.7                 | \$0.991                     |
| 1949: Average..... | 63.69   | 41.5                 | 1.542                       | 57.65  | 40.7                 | 1.414                       | 45.93                          | 40.4   | 1.137                       | 34.87                          | 36.7   | .950                              | 39.31   | 37.8                 | 1.040                       |
| 1949: August.....  | 63.92   | 41.4                 | 1.544                       | 57.10  | 40.7                 | 1.403                       | 46.87                          | 40.9   | 1.145                       | 35.75                          | 37.2   | .961                              | 39.58   | 37.8                 | 1.047                       |
| September.....     | 64.75   | 41.4                 | 1.564                       | 57.35  | 40.7                 | 1.409                       | 45.58                          | 40.5   | 1.150                       | 35.17                          | 36.6   | .961                              | 39.48   | 37.6                 | 1.050                       |
| October.....       | 65.72   | 41.7                 | 1.576                       | 58.36  | 40.9                 | 1.427                       | 46.06                          | 40.4   | 1.140                       | 34.65                          | 36.4   | .952                              | 38.90   | 37.4                 | 1.049                       |
| November.....      | 66.03   | 41.5                 | 1.567                       | 57.86  | 40.6                 | 1.425                       | 45.93                          | 40.1   | 1.138                       | 34.30                          | 36.3   | .945                              | 38.75   | 37.1                 | 1.036                       |
| December.....      | 66.04   | 41.5                 | 1.580                       | 58.20  | 40.9                 | 1.423                       | 45.83                          | 40.7   | 1.126                       | 34.12                          | 36.1   | .948                              | 42.12   | 39.7                 | 1.061                       |
| 1950: January..... | 66.09   | 41.7                 | 1.585                       | 58.14  | 40.6                 | 1.432                       | 46.58                          | 40.4   | 1.153                       | 35.68                          | 36.9   | .967                              | 40.21   | 37.9                 | 1.061                       |
| February.....      | 66.09   | 41.4                 | 1.572                       | 58.27  | 40.3                 | 1.446                       | 46.26                          | 40.4   | 1.145                       | 35.44                          | 36.8   | .963                              | 39.85   | 37.7                 | 1.057                       |
| March.....         | 64.81   | 41.2                 | 1.573                       | 58.56  | 40.3                 | 1.453                       | 46.26                          | 40.3   | 1.148                       | 35.04                          | 36.5   | .960                              | 39.57   | 37.4                 | 1.058                       |
| April.....         | 65.17   | 41.3                 | 1.578                       | 58.79  | 40.1                 | 1.466                       | 46.47                          | 40.2   | 1.156                       | 34.66                          | 36.1   | .960                              | 39.53   | 37.4                 | 1.065                       |
| May.....           | 65.17   | 41.3                 | 1.578                       | 59.11  | 40.4                 | 1.463                       | 46.94                          | 40.4   | 1.162                       | 35.49                          | 36.4   | .975                              | 40.82   | 37.8                 | 1.080                       |
| June.....          | 65.99   | 41.5                 | 1.590                       | 59.03  | 40.6                 | 1.476                       | 48.06                          | 40.9   | 1.175                       | 36.60                          | 37.2   | .984                              | 41.86   | 38.3                 | 1.093                       |
| July.....          | 66.60   | 41.6                 | 1.601                       | 61.02  | 40.9                 | 1.492                       | 49.10                          | 41.4   | 1.186                       | 37.45                          | 37.9   | .985                              | 42.79   | 38.9                 | 1.100                       |
| August.....        | 65.97   | 41.7                 | 1.582                       | 60.59  | 40.8                 | 1.485                       | 49.06                          | 41.3   | 1.188                       | 36.98                          | 37.5   | .986                              | 42.17   | 38.3                 | 1.101                       |
|                    | Trade—Continued                               |                      |                             |  |                      |                             |                                |  |                             |                                |  |                                   |   |                      |                             |
|                    | Retail trade—Continued                        |                      |                             |  |                      |                             | Other retail trade             |  |                             |                                |  |                                   |   |                      |                             |
|                    | Food and liquor stores                        |                      |                             | Automotive and accessories dealers               |                      |                             | Apparel and accessories stores |  |                             | Furniture and appliance stores |  | Lumber and hardware supply stores |   |                      |                             |
| 1948: Average..... | \$47.15                                       | 40.3                 | \$1.170                     | \$56.07  | 45.4                 | \$1.233                     | \$39.60                        | 36.5   | \$1.085                     | \$51.15                        | 42.7   | \$1.198                           | \$49.37   | 43.5                 | \$1.135                     |
| 1949: Average..... | 49.93   | 40.2                 | 1.242                       | 58.92  | 45.6                 | 1.202                       | 40.66                          | 36.7   | 1.108                       | 53.30                          | 43.4   | 1.228                             | 51.84   | 43.6                 | 1.189                       |
| 1949: August.....  | 51.00   | 41.0                 | 1.244                       | 58.85  | 45.6                 | 1.306                       | 40.52                          | 36.8   | 1.101                       | 52.82                          | 43.4   | 1.217                             | 52.49   | 44.0                 | 1.191                       |
| September.....     | 51.57   | 40.2                 | 1.258                       | 59.51  | 45.5                 | 1.308                       | 41.66                          | 37.1   | 1.123                       | 53.37                          | 43.6   | 1.224                             | 52.18   | 43.7                 | 1.194                       |
| October.....       | 52.25   | 40.3                 | 1.247                       | 59.39  | 45.9                 | 1.294                       | 40.15                          | 36.6   | 1.097                       | 53.38                          | 43.4   | 1.220                             | 52.96   | 44.1                 | 1.201                       |
| November.....      | 53.37   | 40.1                 | 1.256                       | 58.78  | 45.6                 | 1.289                       | 40.26                          | 36.5   | 1.103                       | 54.32                          | 43.7   | 1.243                             | 51.79   | 43.3                 | 1.196                       |
| December.....      | 50.84   | 40.3                 | 1.254                       | 58.29  | 45.8                 | 1.272                       | 41.22                          | 36.8   | 1.120                       | 56.70                          | 44.4   | 1.277                             | 52.16   | 43.5                 | 1.199                       |
| 1950: January..... | 50.68   | 40.0                 | 1.267                       | 58.72  | 45.8                 | 1.282                       | 41.07                          | 36.7   | 1.119                       | 54.81                          | 43.6   | 1.257                             | 51.68   | 43.2                 | 1.194                       |
| February.....      | 50.85   | 40.1                 | 1.268                       | 57.76  | 45.3                 | 1.275                       | 40.07                          | 36.9   | 1.086                       | 55.25                          | 43.4   | 1.227                             | 51.72   | 43.1                 | 1.200                       |
| March.....         | 50.76   | 40.0                 | 1.269                       | 59.22  | 45.8                 | 1.293                       | 39.64                          | 36.5   | 1.086                       | 55.30                          | 43.3   | 1.231                             | 51.89   | 43.1                 | 1.204                       |
| April.....         | 50.93   | 40.1                 | 1.270                       | 60.36  | 45.8                 | 1.318                       | 40.17                          | 35.9   | 1.109                       | 54.21                          | 43.4   | 1.249                             | 52.84   | 43.6                 | 1.212                       |
| May.....           | 50.81   | 40.1                 | 1.267                       | 60.50  | 45.9                 | 1.318                       | 40.37                          | 36.5   | 1.106                       | 54.89                          | 43.6   | 1.259                             | 54.08   | 43.9                 | 1.232                       |
| June.....          | 51.82   | 40.8                 | 1.270                       | 62.29  | 45.9                 | 1.357                       | 40.92                          | 36.8   | 1.112                       | 55.67                          | 43.7   | 1.274                             | 55.06   | 44.4                 | 1.240                       |
| July.....          | 53.08   | 41.5                 | 1.279                       | 63.62  | 45.8                 | 1.389                       | 40.59                          | 36.8   | 1.103                       | 55.64                          | 43.4   | 1.282                             | 55.45   | 44.5                 | 1.246                       |
| August.....        | 52.79   | 41.5                 | 1.272                       | 63.57  | 45.8                 | 1.388                       | 40.52                          | 36.9   | 1.098                       | 57.25                          | 43.6   | 1.313                             | 55.80   | 44.5                 | 1.254                       |

See footnotes at end of table.

TABLE C-1: Hours and Gross Earnings of Production Workers or Nonsupervisory Employees<sup>1</sup>—Con.

| Year and month     | Finance <sup>12</sup>     |                                |                    | Service                          |                  |                     |                    |                  |                     |                            |                  | Motion picture production and distribution <sup>13</sup> |         |
|--------------------|---------------------------|--------------------------------|--------------------|----------------------------------|------------------|---------------------|--------------------|------------------|---------------------|----------------------------|------------------|--|---------|
|                    | Banks and trust companies | Security dealers and exchanges | Insurance carriers | Hotels, year-round <sup>14</sup> |                  |                     | Laundries          |                  |                     | Cleaning and dyeing plants |                  |  |         |
|                    | Avg. wky. earnings        | Avg. wky. earnings             | Avg. wky. earnings | Avg. wky. earnings               | Avg. hrly. hours | Avg. hrly. earnings | Avg. wky. earnings | Avg. hrly. hours | Avg. hrly. earnings | Avg. wky. earnings         | Avg. hrly. hours | Avg. wky. earnings                                       |         |
| 1948: Average..... | \$41.81                   | \$66.83                        | \$54.93            | \$31.41                          | 44.3             | \$0.709             | \$34.23            | 41.9             | \$1.817             | \$39.50                    | 41.1             | \$0.961  | \$02.27 |
| 1949: Average..... | 43.64                     | 68.32                          | 56.47              | 32.84                            | 44.2             | .743                | 34.98              | 41.5             | .843                | 40.71                      | 41.2             | .988   | 92.17   |
| 1949: August.....  | 43.10                     | 65.30                          | 55.54              | 32.03                            | 44.2             | .745                | 34.27              | 40.8             | .840                | 38.43                      | 39.5             | .978   | 92.55   |
| September.....     | 43.62                     | 67.20                          | 55.33              | 32.90                            | 44.1             | .746                | 34.60              | 41.2             | .842                | 41.28                      | 41.7             | .990   | 92.96   |
| October.....       | 43.94                     | 71.25                          | 56.04              | 32.84                            | 44.2             | .743                | 34.57              | 41.1             | .841                | 40.18                      | 41.1             | .977   | 94.29   |
| November.....      | 43.98                     | 72.54                          | 55.89              | 33.13                            | 44.0             | .753                | 34.23              | 40.9             | .837                | 39.98                      | 40.9             | .977   | 91.54   |
| December.....      | 43.98                     | 74.12                          | 56.52              | 33.24                            | 43.8             | .759                | 34.77              | 41.2             | .844                | 40.47                      | 41.0             | .987   | 93.39   |
| 1950: January..... | 45.29                     | 75.78                          | 57.78              | 33.06                            | 43.9             | .753                | 35.15              | 41.5             | .847                | 40.75                      | 41.2             | .989   | 87.82   |
| February.....      | 45.52                     | 77.61                          | 57.68              | 33.51                            | 43.8             | .765                | 34.30              | 40.8             | .843                | 39.26                      | 39.9             | .984   | 88.94   |
| March.....         | 45.37                     | 90.08                          | 57.19              | 33.07                            | 43.8             | .755                | 34.56              | 41.0             | .843                | 40.40                      | 40.6             | .995   | 91.01   |
| April.....         | 45.93                     | 83.53                          | 58.16              | 33.26                            | 44.0             | .758                | 34.85              | 41.0             | .850                | 40.48                      | 40.4             | 1.002  | 91.23   |
| May.....           | 45.54                     | 82.70                          | 58.02              | 33.34                            | 44.1             | .756                | 35.74              | 41.7             | .857                | 43.69                      | 43.0             | 1.016  | 94.09   |
| June.....          | 45.42                     | 81.31                          | 58.06              | 33.33                            | 43.8             | .761                | 36.33              | 42.0             | .865                | 44.03                      | 43.0             | 1.024  | 94.73   |
| July.....          | 46.27                     | 81.87                          | 58.90              | 33.45                            | 43.9             | .762                | 35.78              | 41.6             | .860                | 41.82                      | 41.2             | 1.015  | 91.27   |
| August.....        | 46.37                     | 80.65                          | 58.20              | 33.80                            | 43.9             | .770                | 34.92              | 40.6             | .860                | 40.16                      | 40.0             | 1.004  | 92.26   |

<sup>1</sup> These figures are based on reports from cooperating establishments covering both full- and part-time employees who worked during, or received pay for, the pay period ending nearest the 15th of the month. For mining, manufacturing, laundries, and cleaning and dyeing plants industries, the data relate to production and related workers only. For the remaining industries, unless otherwise noted, the data relate to nonsupervisory employees and working supervisors. All series beginning with January 1947, are available upon request to the Bureau of Labor Statistics. Such requests should specify the cities desired. Data for the two current months are subject to revision without notation; revised figures for earlier months will be identified by an asterisk (\*) for the first month's publication of such data.

<sup>2</sup> Includes ordnance and accessories; timber and wood products (except furniture, fixtures, stone, clay, and glass products); primary metal industries; fabricated metal products (except ordnance, machinery, and transportation equipment); machinery (except electrical); electrical machinery; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

<sup>3</sup> Includes food and kindred products; tobacco manufactures; textile products; apparel and other finished textile products; paper and allied products; printing, publishing, and allied industries; chemicals and allied products; products of petroleum and coal; rubber products; and leather and leather products.

<sup>4</sup> Data by region, North and South, from January 1949, are available upon request.

<sup>5</sup> Data by region, South and West, from January 1949, are available upon request.

<sup>6</sup> Data relate to hourly rated employees reported by individual railroads (exclusive of switching and terminal companies) to the Interstate Commerce Commission. Annual averages include any retroactive payments made, which are excluded from monthly averages. Beginning September 1949, data reflect a wage rate increase and reduction in basic workweek from 48 to 40 hours.

<sup>7</sup> Data include privately and municipally operated local railways and bus-lines.

<sup>8</sup> Through May 1949 the averages relate mainly to the hours and earnings of employees subject to the Fair Labor Standards Act. Beginning with June 1949 the averages relate to the hours and earnings of nonsupervisory employees. Data for June comparable with the earlier series are \$51.47, 38.5 hours, and \$1.337.

<sup>9</sup> Data include employees such as switchboard operators, service assistants, operating-room instructors, and pay-station attendants.

<sup>10</sup> Data include employees such as central office craftsmen; installation and exchange repair craftsmen; line, cable, and conduit craftsmen; and laborers.

<sup>11</sup> Data relate mainly to land-line employees, excluding employees compensated on a commission basis, general and divisional headquarters personnel, trainees in school, and messengers.

<sup>12</sup> Data on average weekly hours and average hourly earnings are not available.

<sup>13</sup> Money payments only; additional value of board, room, uniforms, and tips, not included.

TABLE C-2: Gross Average Weekly Earnings of Production Workers in Selected Industries, in Current and 1939 Dollars<sup>1</sup>

| Year and month     | Manufacturing   |              | Bituminous-coal mining |              | Laundries       |              | Year and month      | Manufacturing   |              | Bituminous-coal mining |              | Laundries       |              |
|--------------------|-----------------|--------------|------------------------|--------------|-----------------|--------------|---------------------|-----------------|--------------|------------------------|--------------|-----------------|--------------|
|                    | Current dollars | 1939 dollars | Current dollars        | 1939 dollars | Current dollars | 1939 dollars |                     | Current dollars | 1939 dollars | Current dollars        | 1939 dollars | Current dollars | 1939 dollars |
|                    |                 |              |                        |              |                 |              |                     |                 |              |                        |              |                 |              |
| 1939: Average..... | \$23.86         | \$23.86      | \$23.88                | \$23.88      | \$17.69         | \$17.69      | 1949: December..... | \$56.04         | \$33.26      | \$48.74                | \$28.92      | \$34.77         | \$20.63      |
| 1941: Average..... | 29.58           | 27.95        | 30.86                  | 29.16        | 17.95           | 17.95        | 1950: January.....  | \$56.29         | \$33.52      | 47.36                  | 28.21        | 35.15           | 20.93        |
| 1946: Average..... | 43.82           | 31.27        | 58.03                  | 41.41        | 30.30           | 21.62        | February.....       | \$56.37         | \$33.65      | 49.83                  | 29.75        | 34.39           | 20.53        |
| 1948: Average..... | 54.14           | 31.43        | 72.12                  | 41.87        | 34.23           | 19.87        | March.....          | \$56.53         | \$33.65      | 78.75                  | 46.87        | 34.56           | 20.57        |
| 1949: Average..... | 54.92           | 32.28        | 63.28                  | 37.20        | 34.98           | 20.56        | April.....          | \$56.93         | \$33.82      | 72.70                  | 43.25        | 34.85           | 20.71        |
| 1949: August.....  | 54.70           | 32.21        | 49.51                  | 29.15        | 34.27           | 20.18        | May.....            | \$57.54         | \$33.92      | 68.37                  | 40.31        | 35.74           | 21.07        |
| September.....     | 55.72           | 32.66        | 52.46                  | 30.75        | 34.69           | 20.33        | June.....           | \$58.85         | \$34.37      | 69.92                  | 40.83        | 36.33           | 21.22        |
| October.....       | 55.26           | 32.60        | 63.10                  | 37.22        | 34.57           | 20.39        | July.....           | \$59.21         | \$34.12      | 68.75                  | 39.62        | 35.78           | 20.62        |
| November.....      | 54.43           | 32.09        | 68.17                  | 40.19        | 34.23           | 20.18        | August.....         | \$60.32         | \$34.66      | 69.83                  | 40.12        | 34.92           | 20.06        |

<sup>1</sup> These series indicate changes in the level of weekly earnings prior to and after adjustment for changes in purchasing power as determined from the Bureau's Consumers' Price Index, the year 1939 having been selected for the base Period. Estimates of World War II and postwar understatement by the

Consumers' Price Index were not included. See the Monthly Labor Review, March 1947, p. 498. Comparable data from January 1939 are available upon request to the Bureau of Labor Statistics.

<sup>2</sup> Preliminary.

TABLE C-3: Gross and Net Spendable Average Weekly Earnings of Production Workers in Manufacturing Industries, in Current and 1939 Dollars<sup>1</sup>

| Period        |                               |                  | Net spendable average weekly earnings |              |                          |              | Period              |                               |                  | Net spendable average weekly earnings |              |                          |              |  |
|---------------|-------------------------------|------------------|---------------------------------------|--------------|--------------------------|--------------|---------------------|-------------------------------|------------------|---------------------------------------|--------------|--------------------------|--------------|--|
|               | Gross average weekly earnings |                  | Worker with no dependents             |              | Worker with 3 dependents |              |                     | Gross average weekly earnings |                  | Worker with no dependents             |              | Worker with 3 dependents |              |  |
|               | Amount                        | Index (1939=100) | Current dollars                       | 1939 dollars | Current dollars          | 1939 dollars |                     | Amount                        | Index (1939=100) | Current dollars                       | 1939 dollars | Current dollars          | 1939 dollars |  |
| 1939: January | \$26.64                       | 111.7            | \$25.41                               | \$25.06      | \$26.37                  | \$26.00      | 1949: August        | \$34.70                       | 220.3            | \$47.90                               | \$38.21      | \$33.64                  | \$31.59      |  |
| 1945: January | 47.50                         | 199.1            | 39.40                                 | 30.81        | 45.17                    | 35.33        | September           | 55.72                         | 233.5            | 48.75                                 | 28.57        | 54.50                    | 31.94        |  |
| July          | 45.45                         | 190.5            | 37.80                                 | 29.04        | 43.57                    | 33.47        | October             | 55.26                         | 231.6            | 48.37                                 | 28.53        | 54.11                    | 31.92        |  |
| 1946: June    | 53.31                         | 181.5            | 37.30                                 | 27.81        | 42.78                    | 31.90        | November            | 54.43                         | 228.1            | 47.67                                 | 28.10        | 53.41                    | 31.49        |  |
| 1947: August  | 23.86                         | 100.0            | 23.58                                 | 23.58        | 23.62                    | 23.62        | December            | 56.04                         | 234.9            | 49.02                                 | 29.09        | 54.77                    | 32.50        |  |
| 1940: Average | 25.20                         | 105.6            | 24.69                                 | 24.49        | 24.95                    | 24.75        | 1950: January       | 56.29                         | 235.9            | 48.94                                 | 29.15        | 54.70                    | 32.58        |  |
| 1941: Average | 29.58                         | 124.0            | 28.05                                 | 26.51        | 29.28                    | 27.67        | February            | 56.37                         | 236.3            | 49.00                                 | 29.25        | 54.76                    | 32.69        |  |
| 1942: Average | 36.65                         | 153.6            | 31.77                                 | 27.11        | 36.28                    | 30.96        | March               | 56.53                         | 236.9            | 49.13                                 | 29.24        | 54.90                    | 32.68        |  |
| 1943: Average | 43.14                         | 180.8            | 36.01                                 | 28.97        | 41.39                    | 33.30        | April               | 56.93                         | 238.6            | 49.46                                 | 29.39        | 55.23                    | 32.81        |  |
| 1944: Average | 46.08                         | 193.1            | 38.29                                 | 30.32        | 44.06                    | 34.89        | May                 | 57.54                         | 241.2            | 49.95                                 | 29.45        | 55.74                    | 32.86        |  |
| 1945: Average | 44.39                         | 186.0            | 36.97                                 | 28.61        | 42.74                    | 33.08        | June                | 58.85                         | 246.6            | 51.03                                 | 29.80        | 56.86                    | 33.21        |  |
| 1946: Average | 43.82                         | 183.7            | 37.72                                 | 26.92        | 43.20                    | 30.83        | July <sup>2</sup>   | 59.21                         | 248.2            | 51.32                                 | 29.57        | 57.16                    | 32.94        |  |
| 1947: Average | 49.97                         | 209.4            | 42.76                                 | 26.70        | 48.24                    | 30.12        | August <sup>2</sup> | 60.32                         | 252.8            | 52.24                                 | 30.02        | 58.11                    | 33.39        |  |
| 1948: Average | 54.14                         | 226.9            | 47.43                                 | 27.54        | 53.17                    | 30.87        |                     |                               |                  |                                       |              |                          |              |  |
| 1949: Average | 54.92                         | 230.2            | 48.00                                 | 28.27        | 53.83                    | 31.64        |                     |                               |                  |                                       |              |                          |              |  |

<sup>1</sup> Net spendable average weekly earnings are obtained by deducting from gross average weekly earnings, social security and income taxes for which the specified type of worker is liable. The amount of income tax liability depends, of course, on the number of dependents supported by the worker as well as on the level of his gross income. Net spendable earnings have, therefore, been computed for 2 types of income-receivers: (1) A worker with no dependents; (2) A worker with 3 dependents.

The computation of net spendable earnings for both the factory worker with no dependents and the factory worker with 3 dependents are based upon the

gross average weekly earnings for all production workers in manufacturing industries without direct regard to marital status and family composition. The primary value of this spendable series is that of measuring relative changes in disposable earnings for 2 types of income-receivers. That series does not, therefore, reflect actual differences in levels of earnings for workers of varying age, occupation, skill, family composition, etc. Comparable data from January 1939 are available upon request to the Bureau of Labor Statistics.

<sup>2</sup> Preliminary.

TABLE C-4: Average Hourly Earnings, Gross and Exclusive of Overtime, of Production Workers in Manufacturing Industries<sup>1</sup>

| Period        | Manufacturing |                    |                  | Durable goods |                    | Non-durable goods |                    | Period              | Manufacturing |                    |                  | Durable goods |                    | Non-durable goods |                    |  |
|---------------|---------------|--------------------|------------------|---------------|--------------------|-------------------|--------------------|---------------------|---------------|--------------------|------------------|---------------|--------------------|-------------------|--------------------|--|
|               | Gross amount  | Excluding overtime |                  | Gross         | Excluding overtime | Gross             | Excluding overtime |                     | Gross amount  | Excluding overtime |                  | Gross         | Excluding overtime | Gross             | Excluding overtime |  |
|               |               | Amount             | Index (1939=100) |               |                    |                   |                    |                     |               | Amount             | Index (1939=100) |               |                    |                   |                    |  |
| 1941: Average | \$0.729       | \$0.702            | 110.9            | \$0.808       | \$0.770            | \$0.640           | \$0.625            | 1949: October       | \$1.392       | \$1.333            | 213.7            | \$1.458       | \$1.419            | \$1.325           | \$1.287            |  |
| 1942: Average | .853          | .805               | 127.2            | .947          | .881               | .723              | .698               | November            | 1.392         | 1.357              | 214.4            | 1.457         | 1.425              | 1.325             | 1.289              |  |
| 1943: Average | .961          | .894               | 141.2            | 1.059         | .976               | .803              | .763               | December            | 1.408         | 1.368              | 216.1            | 1.476         | 1.435              | 1.334             | 1.296              |  |
| 1944: Average | 1.019         | .947               | 149.6            | 1.117         | 1.029              | .861              | .814               | 1950: January       | 1.418         | 1.380              | 218.0            | 1.485         | 1.445              | 1.343             | 1.307              |  |
| 1945: Average | 1.023         | 1.963              | 152.1            | 1.111         | 1.042              | .904              | .858               | February            | 1.420         | 1.382              | 218.3            | 1.482         | 1.442              | 1.350             | 1.316              |  |
| 1946: Average | 1.086         | 1.051              | 166.0            | 1.156         | 1.122              | 1.012             | .978               | March               | 1.424         | 1.385              | 218.8            | 1.486         | 1.443              | 1.353             | 1.319              |  |
| 1947: Average | 1.237         | 1.198              | 189.3            | 1.292         | 1.250              | 1.171             | 1.133              | April               | 1.434         | 1.392              | 219.9            | 1.499         | 1.449              | 1.355             | 1.323              |  |
| 1948: Average | 1.350         | 1.310              | 207.0            | 1.410         | 1.366              | 1.278             | 1.241              | May                 | 1.442         | 1.399              | 221.0            | 1.506         | 1.459              | 1.358             | 1.324              |  |
| 1949: Average | 1.401         | 1.367              | 216.0            | 1.469         | 1.434              | 1.325             | 1.292              | June                | 1.453         | 1.404              | 221.8            | 1.522         | 1.465              | 1.365             | 1.326              |  |
| 1949: August  | 1.399         | 1.366              | 215.8            | 1.473         | 1.440              | 1.319             | 1.286              | July <sup>2</sup>   | 1.462         | 1.413              | 223.2            | 1.533         | 1.479              | 1.374             | 1.332              |  |
| September     | 1.407         | 1.369              | 216.3            | 1.482         | 1.444              | 1.328             | 1.290              | August <sup>2</sup> | 1.464         | 1.405              | 222.4            | 1.530         | 1.474              | 1.374             | 1.328              |  |

<sup>1</sup> Overtime is defined as work in excess of 40 hours per week and paid for at time and one-half. The computation of average hourly earnings exclusive of overtime makes no allowance for special rates of pay for work done on holidays. Comparable data from January 1941 are available upon request to the Bureau of Labor Statistics.

<sup>2</sup> Preliminary.

TABLE C-5: Hours and Gross Earnings of Production Workers in Manufacturing Industries for Selected States and Areas<sup>1</sup>

| Year and month           | Alabama                 |                      |                         | Arizona                            |                         |                      |                         |                         | Arkansas                |                      |                         |                         |                         | California           |                         |                      |                         |         |
|--------------------------|-------------------------|----------------------|-------------------------|------------------------------------|-------------------------|----------------------|-------------------------|-------------------------|-------------------------|----------------------|-------------------------|-------------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|---------|
|                          | State <sup>2</sup>      |                      |                         | State                              |                         |                      | Phoenix                 |                         | State                   |                      |                         | Little Rock             |                         | State <sup>2</sup>   |                         |                      |                         |         |
|                          | Average weekly earnings | Average weekly hours | Average hourly earnings | Average weekly earnings            | Average hourly earnings | Average weekly hours | Average hourly earnings | Average weekly earnings | Average hourly earnings | Average weekly hours | Average hourly earnings | Average weekly earnings | Average hourly earnings | Average weekly hours | Average hourly earnings | Average weekly hours | Average hourly earnings |         |
| 1949: September          | \$44.87                 | 40.9                 | \$1.10                  | \$58.49                            | 41.2                    | \$1.420              | \$56.63                 | 39.6                    | \$1.430                 | \$58.32              | 41.2                    | \$0.93                  | \$42.14                 | 43.9                 | \$0.96                  | \$62.73              | 39.5                    | \$1.59  |
| October                  | 43.40                   | 41.1                 | 1.06                    | 58.61                              | 42.8                    | 1.368                | 56.63                   | 40.2                    | 1.419                   | 40.64                | 42.6                    | .94                     | 41.28                   | 43.0                 | .96                     | 63.16                | 39.6                    | 1.60    |
| November                 | 43.34                   | 40.5                 | 1.07                    | 57.75                              | 42.6                    | 1.355                | 56.26                   | 40.1                    | 1.403                   | 39.90                | 42.0                    | .95                     | 42.10                   | 43.4                 | .97                     | 61.12                | 38.2                    | 1.60    |
| December                 | 45.38                   | 40.7                 | 1.12                    | 55.73                              | 42.3                    | 1.319                | 53.61                   | 39.3                    | 1.364                   | 39.33                | 41.4                    | .95                     | 41.71                   | 43.0                 | .97                     | 62.59                | 38.5                    | 1.62    |
| 1950: January            | 44.46                   | 39.7                 | 1.12                    | 56.08                              | 42.4                    | 1.324                | 52.64                   | 38.7                    | 1.360                   | 38.88                | 40.5                    | .96                     | 39.81                   | 41.9                 | .95                     | 62.31                | 38.3                    | 1.63    |
| February                 | 45.24                   | 39.0                 | 1.16                    | 57.46                              | 42.0                    | 1.368                | 54.02                   | 38.3                    | 1.404                   | 39.70                | 40.1                    | .99                     | 41.28                   | 41.7                 | .99                     | 62.89                | 38.8                    | 1.62    |
| March                    | 45.01                   | 38.8                 | 1.16                    | 59.10                              | 41.8                    | 1.42                 | 54.70                   | 37.6                    | 1.45                    | 40.60                | 40.6                    | 1.00                    | 42.00                   | 42.0                 | 1.00                    | 63.06                | 39.0                    | 1.63    |
| April                    | 46.10                   | 39.4                 | 1.17                    | 59.82                              | 41.6                    | 1.44                 | 56.30                   | 38.3                    | 1.47                    | 41.65                | 42.5                    | .98                     | 43.58                   | 41.9                 | 1.04                    | 62.94                | 38.9                    | 1.62    |
| May                      | 45.24                   | 39.0                 | 1.16                    | 59.60                              | 42.3                    | 1.41                 | 54.30                   | 38.3                    | 1.43                    | 41.01                | 40.6                    | 1.01                    | 42.63                   | 40.6                 | 1.05                    | 63.53                | 39.0                    | 1.63    |
| June                     | 46.57                   | 39.8                 | 1.17                    | *62.20                             | *43.0                   | *1.45                | *56.20                  | *38.6                   | *1.50                   | *42.33               | *41.5                   | *1.02                   | *44.31                  | *42.2                | *1.05                   | 65.10                | 39.6                    | 1.64    |
| July                     | 46.10                   | 39.4                 | 1.17                    | 59.80                              | 40.9                    | 1.46                 | 53.80                   | 35.9                    | 1.51                    | 40.95                | 39.0                    | 1.05                    | 44.31                   | 41.8                 | 1.06                    | 65.95                | 39.9                    | 1.65    |
| August                   | 47.21                   | 40.7                 | 1.16                    | 61.80                              | 42.5                    | 1.45                 | 55.80                   | 37.5                    | 1.51                    | 44.30                | 42.6                    | 1.04                    | 44.94                   | 42.4                 | 1.06                    | 66.77                | 40.8                    | 1.64    |
| September                | 47.91                   | 40.6                 | *1.18                   | 63.20                              | 43.4                    | 1.46                 | 57.20                   | 38.4                    | 1.52                    | 43.37                | 41.3                    | 1.05                    | 45.14                   | 41.8                 | 1.08                    | 66.67                | 40.2                    | 1.66    |
| California—Continued     |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         |                         |                      |                         |                      |                         |         |
| Connecticut              |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         |                         |                      |                         |                      |                         |         |
| Los Angeles <sup>2</sup> | San Diego               |                      |                         | San Francisco-Oakland <sup>2</sup> |                         |                      | San Jose                |                         |                         | State                |                         |                         | Bridgeport              |                      |                         |                      |                         |         |
|                          |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         |                         |                      |                         |                      |                         |         |
| 1949: September          | \$62.25                 | 39.1                 | \$1.59                  | \$61.34                            | 38.8                    | \$1.58               | \$64.84                 | 39.9                    | \$1.62                  | \$58.37              | 41.9                    | \$1.39                  | \$54.77                 | 39.9                 | \$1.36                  | \$55.67              | 39.9                    | \$1.40  |
| October                  | 62.80                   | 39.4                 | 1.59                    | 63.56                              | 40.1                    | 1.58                 | 64.52                   | 35.2                    | 1.65                    | 57.82                | 40.1                    | 1.44                    | 55.15                   | 40.3                 | 1.37                    | 56.93                | 40.0                    | 1.40    |
| November                 | 61.53                   | 38.7                 | 1.59                    | 58.75                              | 38.1                    | 1.54                 | 61.48                   | 36.9                    | 1.67                    | 54.91                | 37.1                    | 1.48                    | 55.78                   | 40.4                 | 1.38                    | 56.70                | 40.5                    | 1.40    |
| December                 | 62.12                   | 38.8                 | 1.60                    | 62.76                              | 38.5                    | 1.63                 | 64.53                   | 38.5                    | 1.68                    | 58.40                | 38.5                    | 1.52                    | 56.07                   | 40.6                 | 1.38                    | 57.04                | 40.3                    | 1.41    |
| 1950: January            | 63.06                   | 39.0                 | 1.62                    | 57.35                              | 36.3                    | 1.58                 | 63.99                   | 38.2                    | 1.68                    | 59.35                | 37.8                    | 1.57                    | 55.29                   | 40.0                 | 1.38                    | 56.59                | 40.1                    | 1.41    |
| February                 | 62.20                   | 38.9                 | 1.60                    | 57.10                              | 36.3                    | 1.57                 | 64.96                   | 38.6                    | 1.68                    | 59.52                | 38.3                    | 1.55                    | 53.92                   | 40.4                 | 1.38                    | 56.93                | 40.1                    | 1.42    |
| March                    | 62.88                   | 39.3                 | 1.60                    | 59.06                              | 36.8                    | 1.60                 | 65.05                   | 38.7                    | 1.68                    | 58.75                | 38.7                    | 1.52                    | 56.50                   | 40.6                 | 1.39                    | 57.55                | 40.4                    | 1.42    |
| April                    | 62.92                   | 39.3                 | 1.60                    | 56.07                              | 35.0                    | 1.60                 | 64.55                   | 38.4                    | 1.68                    | 58.02                | 38.5                    | 1.51                    | 56.69                   | 40.6                 | 1.40                    | 57.48                | 40.1                    | 1.43    |
| May                      | 63.39                   | 39.4                 | 1.61                    | 58.13                              | 36.4                    | 1.60                 | 64.89                   | 38.6                    | 1.68                    | 61.58                | 39.4                    | 1.56                    | 57.07                   | 40.8                 | 1.40                    | 57.80                | 40.3                    | 1.43    |
| June                     | 64.11                   | 39.6                 | 1.62                    | 59.53                              | 37.3                    | 1.60                 | 66.46                   | 39.3                    | 1.69                    | 63.04                | 39.5                    | 1.60                    | 57.74                   | 41.1                 | 1.40                    | 58.75                | 40.8                    | 1.44    |
| July                     | 64.92                   | 40.1                 | 1.62                    | 59.51                              | 37.7                    | 1.58                 | 68.09                   | 39.5                    | 1.72                    | 60.34                | 41.1                    | 1.47                    | 58.36                   | 41.4                 | 1.41                    | 59.63                | 41.2                    | 1.45    |
| August                   | 66.58                   | 40.5                 | 1.62                    | 65.37                              | 40.9                    | 1.60                 | 67.62                   | 39.8                    | 1.70                    | 66.38                | 45.3                    | 1.47                    | 60.27                   | 42.2                 | 1.43                    | 60.30                | 41.5                    | 1.45    |
| September                | 65.50                   | 40.2                 | 1.63                    | 62.28                              | 38.6                    | 1.62                 | 68.13                   | 39.7                    | 1.72                    | 64.58                | 44.4                    | 1.45                    | 62.17                   | 42.8                 | 1.45                    | 61.83                | 41.6                    | 1.49    |
| Connecticut—Continued    |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         |                         |                      |                         |                      |                         |         |
| Delaware                 |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         |                         |                      |                         |                      |                         |         |
| Hartford                 | New Britain             |                      |                         | New Haven                          |                         |                      | Waterbury               |                         |                         | State <sup>2</sup>   |                         |                         | Wilmington              |                      |                         |                      |                         |         |
|                          |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         |                         |                      |                         |                      |                         |         |
| 1949: September          |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         | \$48.01                 | 38.4                 | \$1.25                  | \$59.28              | 39.6                    | \$1.501 |
| October                  |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         | 45.55                   | 37.7                 | 1.21                    | 54.96                | 37.8                    | 1.456   |
| November                 |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         | 48.07                   | 38.3                 | 1.25                    | 57.45                | 38.3                    | 1.467   |
| December                 |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         | 49.92                   | 39.0                 | 1.28                    | 58.87                | 40.0                    | 1.470   |
| 1950: January            |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         | 52.46                   | 39.6                 | 1.33                    | 61.84                | 41.1                    | 1.505   |
| February                 |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         | 50.55                   | 38.9                 | 1.30                    | 59.58                | 40.5                    | 1.470   |
| March                    |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         | 51.44                   | 38.9                 | 1.31                    | 59.93                | 40.7                    | 1.471   |
| April                    |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         | 50.12                   | 38.0                 | 1.32                    | 59.66                | 40.1                    | 1.488   |
| May                      |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         | 51.47                   | 38.6                 | 1.32                    | 60.34                | 40.7                    | 1.483   |
| June                     |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         | 53.33                   | 38.6                 | 1.32                    | 60.34                | 40.7                    | 1.484   |
| July                     |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         | 52.37                   | 39.5                 | 1.32                    | *62.48               | *41.5                   | *1.504  |
| August                   |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         | 52.46                   | 39.1                 | 1.34                    | 62.06                | 41.1                    | 1.506   |
| September                |                         |                      |                         |                                    |                         |                      |                         |                         |                         |                      |                         |                         | 50.24                   | 38.6                 | 1.30                    | 61.99                | 41.1                    | 1.510   |

See footnotes at end of table.

TABLE C-5: Hours and Gross Earnings of Production Workers in Manufacturing Industries for Selected States and Areas<sup>1</sup>—Continued

| Year and month  | Florida                 |                      |                         | Georgia                 |                      |                         |                      |                         |                      | Idaho                   |                      |                         | Illinois             |                         |                      |                         |        |         |
|-----------------|-------------------------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|--------|---------|
|                 | State                   |                      |                         | State                   |                      |                         | Atlanta              |                         | Savannah             |                         | State                |                         |                      | State                   |                      |                         |        |         |
|                 | Average weekly earnings | Average weekly hours | Average hourly earnings | Average weekly earnings | Average weekly hours | Average hourly earnings |        |         |
| 1949: September | \$41.59                 | 41.3                 | \$1.007                 | \$39.89                 | 39.9                 | \$1.00                  | \$48.31              | 41.1                    | \$1.18               | \$49.00                 | 42.0                 | \$1.17                  | -----                | -----                   | \$50.53              | 39.8                    | \$1.49 |         |
| October         | 41.93                   | 42.4                 | .989                    | 40.06                   | 39.9                 | 1.00                    | 46.10                | 40.4                    | 1.14                 | 48.66                   | 42.9                 | 1.13                    | -----                | -----                   | 59.16                | 39.9                    | 1.48   |         |
| November        | 43.40                   | 43.4                 | 1.000                   | 40.16                   | 39.8                 | 1.01                    | 44.45                | 38.6                    | 1.15                 | 47.65                   | 42.4                 | 1.12                    | -----                | -----                   | 58.46                | 39.2                    | 1.49   |         |
| December        | 43.74                   | 43.7                 | 1.001                   | 40.97                   | 40.2                 | 1.02                    | 46.12                | 39.5                    | 1.17                 | 48.09                   | 43.0                 | 1.12                    | -----                | -----                   | 60.09                | 40.1                    | 1.50   |         |
| 1950: January   | 44.35                   | 44.4                 | .999                    | 41.17                   | 40.1                 | 1.03                    | 46.84                | 39.9                    | 1.17                 | 47.39                   | 42.5                 | 1.11                    | -----                | -----                   | -----                | -----                   | -----  |         |
| February        | 43.90                   | 42.1                 | 1.043                   | 41.83                   | 39.6                 | 1.06                    | 46.87                | 39.5                    | 1.19                 | 47.68                   | 41.9                 | 1.14                    | \$63.14              | 41.0                    | \$1.540              | -----                   | -----  |         |
| March           | 44.16                   | 41.5                 | 1.064                   | 41.99                   | 39.2                 | 1.07                    | 48.71                | 40.1                    | 1.22                 | 46.83                   | 41.3                 | 1.14                    | 61.03                | 40.5                    | 1.507                | -----                   | -----  |         |
| April           | 44.74                   | 41.4                 | 1.080                   | 42.93                   | 40.1                 | 1.07                    | 49.12                | 40.2                    | 1.22                 | 47.36                   | 40.9                 | 1.16                    | 62.15                | 40.7                    | 1.527                | -----                   | -----  |         |
| May             | 44.89                   | 42.0                 | 1.070                   | 41.85                   | 39.4                 | 1.06                    | 47.33                | 39.1                    | 1.21                 | 49.61                   | 41.7                 | 1.19                    | 62.64                | 41.4                    | 1.513                | -----                   | -----  |         |
| June            | 45.62                   | 41.8                 | 1.091                   | *42.51                  | *39.5                | 1.08                    | *49.18               | *40.4                   | *1.22                | *50.67                  | *41.4                | 1.24                    | 62.39                | 40.2                    | 1.552                | -----                   | -----  |         |
| July            | 45.13                   | 41.0                 | 1.100                   | 42.93                   | 39.8                 | 1.08                    | 49.73                | 41.0                    | 1.21                 | 53.39                   | 43.0                 | 1.24                    | 68.09                | 42.5                    | 1.602                | -----                   | -----  |         |
| August          | 46.06                   | 41.7                 | 1.100                   | 43.77                   | 40.9                 | 1.07                    | 49.09                | 41.0                    | 1.20                 | 53.12                   | 42.3                 | 1.26                    | 64.40                | 40.5                    | 1.590                | -----                   | -----  |         |
| September       | 46.20                   | 41.7                 | 1.110                   | 44.18                   | 40.9                 | 1.08                    | 49.86                | 41.4                    | 1.21                 | 52.63                   | 42.4                 | 1.24                    | 67.36                | 42.1                    | 1.600                | -----                   | -----  |         |
|                 | Illinois—Continued      |                      |                         | Indiana                 |                      |                         | Iowa                 |                         |                      | Kansas                  |                      |                         | Maine                |                         |                      |                         |        |         |
|                 | Chicago                 |                      |                         | State                   |                      |                         | State                |                         |                      | Des Moines              |                      |                         | State                |                         |                      |                         |        |         |
| 1949: September | \$60.87                 | 40.0                 | \$1.52                  | \$60.88                 | 40.6                 | \$1.50                  | -----                | -----                   | -----                | -----                   | -----                | -----                   | \$57.00              | 41.8                    | \$1.365              | \$45.36                 | 30.3   | \$1.153 |
| October         | 60.45                   | 40.1                 | 1.51                    | 59.62                   | 40.3                 | 1.48                    | -----                | -----                   | -----                | -----                   | -----                | -----                   | 55.32                | 40.7                    | 1.359                | 47.53                   | 41.0   | 1.156   |
| November        | 60.20                   | 39.6                 | 1.52                    | 58.01                   | 39.4                 | 1.48                    | -----                | -----                   | -----                | -----                   | -----                | -----                   | 55.95                | 40.6                    | 1.376                | 44.92                   | 38.8   | 1.159   |
| December        | 61.54                   | 40.3                 | 1.52                    | 60.51                   | 40.1                 | 1.51                    | \$57.86              | 42.1                    | \$1.37               | -----                   | -----                | -----                   | 58.57                | 42.3                    | 1.385                | 46.82                   | 40.5   | 1.157   |
| 1950: January   | -----                   | -----                | -----                   | 61.52                   | 40.3                 | 1.53                    | 56.98                | 41.4                    | 1.38                 | \$59.17                 | 39.9                 | \$1.48                  | 59.73                | 42.1                    | 1.418                | 47.39                   | 40.9   | 1.158   |
| February        | -----                   | -----                | -----                   | 61.38                   | 40.2                 | 1.53                    | 55.93                | 40.6                    | 1.38                 | 58.48                   | 39.7                 | 1.47                    | 56.62                | 40.6                    | 1.395                | 48.80                   | 42.1   | 1.158   |
| March           | -----                   | -----                | -----                   | 61.71                   | 40.4                 | 1.53                    | 55.86                | 40.4                    | 1.38                 | 58.87                   | 39.8                 | 1.48                    | 56.80                | 40.8                    | 1.392                | 48.76                   | 41.4   | 1.177   |
| April           | -----                   | -----                | -----                   | 62.91                   | 40.9                 | 1.54                    | 55.88                | 40.3                    | 1.39                 | 59.95                   | 40.6                 | 1.48                    | 56.93                | 40.9                    | 1.392                | 47.55                   | 40.2   | 1.182   |
| May             | -----                   | -----                | -----                   | 63.94                   | 41.2                 | 1.55                    | 55.76                | 40.4                    | 1.39                 | 59.32                   | 40.3                 | 1.47                    | 56.68                | 40.9                    | 1.385                | 47.12                   | 40.2   | 1.173   |
| June            | -----                   | -----                | -----                   | 64.96                   | 41.4                 | 1.57                    | *58.23               | *41.7                   | 1.40                 | *60.45                  | 41.0                 | 1.47                    | 58.05                | 41.5                    | 1.399                | 47.44                   | 40.4   | 1.174   |
| July            | -----                   | -----                | -----                   | 64.87                   | 41.3                 | 1.57                    | 58.02                | 41.2                    | 1.41                 | 60.29                   | 40.7                 | 1.48                    | 58.79                | 41.6                    | 1.412                | 47.66                   | 41.0   | 1.162   |
| August          | -----                   | -----                | -----                   | 65.41                   | 41.7                 | 1.57                    | 57.54                | 40.8                    | 1.41                 | 61.96                   | 40.9                 | 1.52                    | 59.04                | 41.5                    | 1.420                | 49.68                   | 42.5   | 1.168   |
| September       | -----                   | -----                | -----                   | 65.51                   | 42.0                 | 1.56                    | 58.94                | 41.9                    | 1.41                 | 61.56                   | 41.5                 | 1.48                    | 60.91                | 41.8                    | 1.460                | 49.38                   | 41.6   | 1.188   |
|                 | Massachusetts           |                      |                         | Michigan                |                      |                         | Minnesota            |                         |                      | St. Paul                |                      |                         | State                |                         |                      |                         |        |         |
|                 | State                   |                      |                         | State                   |                      |                         | State                |                         |                      | Duluth                  |                      |                         | Minneapolis          |                         |                      |                         |        |         |
| 1949: September | \$52.31                 | -----                | -----                   | \$65.03                 | 39.9                 | \$1.631                 | \$55.28              | 40.3                    | \$1.37               | \$55.21                 | 39.1                 | \$1.41                  | \$57.28              | 40.8                    | \$1.40               | \$58.34                 | 40.4   | \$1.44  |
| October         | 51.51                   | -----                | -----                   | 64.03                   | 39.7                 | 1.618                   | 56.21                | 40.9                    | 1.37                 | 53.66                   | 39.4                 | 1.36                    | 57.04                | 40.6                    | 1.41                 | 57.64                   | 40.0   | 1.44    |
| November        | 51.64                   | -----                | -----                   | 59.90                   | 37.4                 | 1.607                   | 55.49                | 40.3                    | 1.38                 | 52.91                   | 37.9                 | 1.40                    | 55.38                | 39.5                    | 1.40                 | 58.62                   | 40.4   | 1.45    |
| December        | 53.07                   | -----                | -----                   | 61.50                   | 37.8                 | 1.634                   | 57.34                | 41.0                    | 1.40                 | 54.97                   | 38.9                 | 1.41                    | 56.65                | 40.2                    | 1.41                 | 59.19                   | 40.8   | 1.45    |
| 1950: January   | 52.90                   | -----                | -----                   | 65.13                   | 40.0                 | 1.627                   | 57.09                | 40.3                    | 1.42                 | 58.58                   | 39.5                 | 1.48                    | 56.60                | 39.7                    | 1.43                 | 58.80                   | 40.0   | 1.47    |
| February        | 53.55                   | -----                | -----                   | 65.14                   | 40.1                 | 1.630                   | 57.36                | 40.6                    | 1.41                 | 59.24                   | 40.0                 | 1.48                    | 56.36                | 39.3                    | 1.43                 | 59.49                   | 40.9   | 1.48    |
| March           | 60.19                   | 40.5                 | 1.620                   | 56.60                   | 40.1                 | 1.41                    | 57.00                | 40.7                    | 1.42                 | 59.46                   | 40.3                 | 1.48                    | 57.14                | 39.8                    | 1.44                 | 60.14                   | 40.8   | 1.49    |
| April           | 53.13                   | -----                | -----                   | 47.44                   | 40.4                 | 1.653                   | 57.44                | 40.0                    | 1.42                 | 60.07                   | 40.4                 | 1.49                    | 58.46                | 39.4                    | 1.44                 | 60.77                   | 41.0   | 1.48    |
| May             | 53.56                   | -----                | -----                   | 68.04                   | 41.1                 | 1.632                   | 57.50                | 40.4                    | 1.42                 | 59.54                   | 39.8                 | 1.50                    | 58.67                | 40.7                    | 1.44                 | 59.99                   | 40.7   | 1.47    |
| June            | *54.48                  | -----                | -----                   | 70.13                   | 42.0                 | 1.666                   | 58.56                | 41.2                    | 1.42                 | 60.18                   | 40.0                 | 1.50                    | 59.50                | 41.3                    | 1.44                 | 62.05                   | 41.6   | 1.49    |
| July            | 54.79                   | -----                | -----                   | 70.88                   | 41.9                 | 1.687                   | 59.69                | 42.1                    | 1.42                 | 60.13                   | 39.5                 | 1.52                    | 60.64                | 42.1                    | 1.44                 | 63.63                   | 42.0   | 1.51    |
| August          | 56.22                   | -----                | -----                   | 72.34                   | 42.6                 | 1.698                   | 59.49                | 42.1                    | 1.41                 | 60.96                   | 40.2                 | 1.52                    | 60.37                | 41.4                    | 1.46                 | 60.73                   | 40.6   | 1.50    |
| September       | 56.33                   | -----                | -----                   | 72.65                   | 42.5                 | 1.707                   | 58.81                | 41.2                    | 1.43                 | 62.24                   | 40.2                 | 1.55                    | 61.37                | 41.8                    | 1.46                 | 60.68                   | 40.7   | 1.49    |

See footnotes at end of table.

TABLE C-5: Hours and Gross Earnings of Production Workers in Manufacturing Industries for Selected States and Areas<sup>1</sup>—Continued

| Year and month  | Mississippi             |                      |                         | Missouri                       |                      |                         | New Hampshire           |                      |                         |                         |                      |                         | New Jersey                       |                      |                         |                                  |      |        |
|-----------------|-------------------------|----------------------|-------------------------|--------------------------------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|----------------------------------|----------------------|-------------------------|----------------------------------|------|--------|
|                 | State                   |                      |                         | State                          |                      |                         | State                   |                      |                         | Manchester              |                      |                         | State *                          |                      | Newark                  |                                  |      |        |
|                 | Average weekly earnings | Average weekly hours | Average hourly earnings | Average weekly earnings        | Average weekly hours | Average hourly earnings | Average weekly earnings | Average weekly hours | Average hourly earnings | Average weekly earnings | Average weekly hours | Average hourly earnings | Average weekly earnings          | Average weekly hours | Average hourly earnings | Average weekly hours             |      |        |
| 1949: September | \$52.25                 | 39.3                 | \$1.330                 | \$46.57                        | 39.3                 | \$1.18                  | \$45.54                 | 38.5                 | \$1.18                  | \$57.51                 | 39.8                 | \$1.445                 | \$58.06                          | 40.1                 | \$1.47                  |                                  |      |        |
| October         | 56.20                   | 41.0                 | \$0.883                 | 51.67                          | *39.1                | 1.323                   | 45.02                   | 37.9                 | 1.19                    | 42.51                   | 35.9                 | 1.18                    | 57.49                            | 39.7                 | 1.448                   | 58.44                            | 39.6 | 1.48   |
| November        | 56.61                   | 41.6                 | .880                    | 50.41                          | 37.9                 | 1.330                   | 44.71                   | 37.7                 | 1.19                    | 42.83                   | 35.9                 | 1.18                    | 57.20                            | 39.5                 | 1.448                   | 58.32                            | 39.7 | 1.47   |
| December        | 56.36                   | 40.4                 | .900                    | 51.06                          | 38.7                 | 1.318                   | 46.08                   | 39.1                 | 1.18                    | 43.68                   | 37.1                 | 1.18                    | 58.12                            | 40.0                 | 1.453                   | 60.03                            | 40.4 | 1.49   |
| 1950: January   | 56.42                   | 40.6                 | .807                    | 52.44                          | 39.3                 | 1.334                   | 46.76                   | 39.9                 | 1.17                    | 45.59                   | 38.9                 | 1.17                    | 58.88                            | 40.0                 | 1.472                   | 60.57                            | 40.6 | 1.49   |
| February        | 57.98                   | 39.6                 | .959                    | 52.24                          | 39.2                 | 1.332                   | 47.48                   | 39.9                 | 1.19                    | 46.67                   | 39.4                 | 1.19                    | 59.11                            | 40.1                 | 1.474                   | 60.79                            | 40.6 | 1.50   |
| March           | 58.80                   | 39.7                 | .955                    | 52.51                          | 39.1                 | 1.343                   | 47.88                   | 40.1                 | 1.19                    | 46.98                   | 39.6                 | 1.18                    | 59.11                            | 40.1                 | 1.474                   | 60.78                            | 40.6 | 1.50   |
| April           | 58.11                   | 40.3                 | .963                    | 53.87                          | 39.4                 | 1.367                   | 46.58                   | 39.1                 | 1.19                    | 44.82                   | 37.9                 | 1.18                    | 58.60                            | 39.7                 | 1.476                   | 60.59                            | 40.3 | 1.50   |
| May             | 59.45                   | 40.4                 | .976                    | 53.67                          | 39.4                 | 1.362                   | 45.09                   | 38.1                 | 1.18                    | 45.18                   | 36.3                 | 1.19                    | 59.47                            | 40.1                 | 1.483                   | 61.51                            | 40.7 | 1.51   |
| June            | 59.45                   | 40.4                 | .976                    | *56.08                         | *40.5                | *1.384                  | *47.07                  | *39.6                | 1.19                    | 45.59                   | 36.9                 | 1.18                    | 60.74                            | 40.6                 | 1.500                   | 62.49                            | 41.2 | 1.52   |
| July            | 61.01                   | 42.5                 | .966                    | 55.56                          | 40.1                 | 1.386                   | 47.60                   | 40.0                 | 1.19                    | 45.21                   | 38.2                 | 1.18                    | 60.60                            | 40.4                 | 1.500                   | 62.60                            | 41.1 | 1.52   |
| August          | 59.47                   | 40.6                 | .973                    | 56.47                          | 40.8                 | 1.390                   | 50.09                   | 41.4                 | 1.21                    | 47.67                   | 39.4                 | 1.21                    | 62.31                            | 41.4                 | 1.510                   | 64.48                            | 41.9 | 1.54   |
| September       | 60.62                   | 41.4                 | .981                    | 56.07                          | 40.2                 | 1.400                   | 50.39                   | 41.3                 | 1.22                    | 46.97                   | 38.5                 | 1.22                    | 63.36                            | 41.6                 | 1.520                   | 65.45                            | 41.9 | 1.56   |
|                 | New Jersey—Con.         |                      |                         | New Mexico                     |                      |                         |                         |                      |                         | New York                |                      |                         |                                  |                      |                         |                                  |      |        |
|                 | Trenton                 |                      |                         | State                          |                      |                         | State                   |                      |                         | Albany-Schenectady-Troy |                      |                         | Binghamton-Endicott-Johnson City |                      |                         | Buffalo                          |      |        |
| 1949: September | \$57.50                 | 39.9                 | \$1.44                  | \$53.80                        | 42.3                 | \$1.274                 | \$58.24                 | 38.7                 | \$1.50                  | \$57.66                 | 39.1                 | \$1.48                  | \$53.24                          | 37.1                 | \$1.43                  | \$61.36                          | 40.0 | \$1.53 |
| October         | 56.89                   | 39.7                 | 1.43                    | 54.04                          | 41.0                 | 1.299                   | 57.60                   | 38.7                 | 1.49                    | 57.18                   | 39.0                 | 1.47                    | 54.78                            | 38.2                 | 1.43                    | 60.62                            | 39.9 | 1.52   |
| November        | 55.72                   | 38.8                 | 1.44                    | 54.84                          | 41.8                 | 1.312                   | 56.74                   | 38.4                 | 1.48                    | 57.56                   | 38.9                 | 1.48                    | 54.48                            | 37.6                 | 1.45                    | 61.16                            | 39.5 | 1.55   |
| December        | 57.62                   | 40.1                 | 1.44                    | 56.03                          | 42.1                 | 1.331                   | 57.98                   | 38.6                 | 1.50                    | 58.83                   | 39.5                 | 1.49                    | 56.08                            | 38.2                 | 1.47                    | 63.03                            | 40.4 | 1.56   |
| 1950: January   | 59.56                   | 40.6                 | 1.47                    | 54.47                          | 42.1                 | 1.294                   | 57.64                   | 38.5                 | 1.50                    | 57.40                   | 39.2                 | 1.47                    | 53.99                            | 37.4                 | 1.45                    | 62.92                            | 40.4 | 1.56   |
| February        | 57.52                   | 39.4                 | 1.46                    | 54.75                          | 41.2                 | 1.329                   | 57.92                   | 38.7                 | 1.50                    | 59.60                   | 39.7                 | 1.50                    | 53.92                            | 37.1                 | 1.45                    | 63.15                            | 40.4 | 1.56   |
| March           | *58.76                  | *40.3                | 1.46                    | 54.67                          | 40.8                 | 1.340                   | 57.83                   | 38.7                 | 1.49                    | 59.11                   | 39.3                 | 1.50                    | 54.62                            | 37.5                 | 1.45                    | 63.60                            | 40.7 | 1.56   |
| April           | *59.55                  | *40.4                | 1.47                    | 56.16                          | 41.6                 | 1.350                   | 57.24                   | 38.6                 | 1.48                    | 56.42                   | 39.4                 | 1.49                    | 54.90                            | 37.4                 | 1.47                    | 64.22                            | 40.6 | 1.58   |
| May             | 58.57                   | 37.8                 | 1.48                    | 54.86                          | 41.0                 | 1.338                   | 57.98                   | 38.8                 | 1.49                    | 60.27                   | 39.9                 | 1.51                    | 55.66                            | 37.8                 | 1.47                    | 65.13                            | 41.1 | 1.59   |
| June            | 61.39                   | 40.9                 | *1.50                   | 57.52                          | 42.2                 | 1.363                   | 58.57                   | 39.1                 | 1.50                    | 59.76                   | 39.3                 | 1.52                    | 55.98                            | 38.2                 | 1.47                    | 66.19                            | 41.3 | 1.60   |
| July            | 61.66                   | 41.0                 | 1.50                    | 62.62                          | 43.7                 | 1.433                   | 59.28                   | 39.2                 | 1.51                    | 61.82                   | 40.0                 | 1.55                    | 57.15                            | 38.6                 | 1.48                    | 66.45                            | 41.6 | 1.60   |
| August          | 61.44                   | 41.1                 | 1.50                    | 60.21                          | 43.1                 | 1.397                   | 61.03                   | 40.0                 | 1.52                    | 64.26                   | 41.1                 | 1.56                    | 59.46                            | 39.5                 | 1.50                    | 67.55                            | 42.0 | 1.61   |
| September       | 60.67                   | 40.5                 | 1.50                    | 60.86                          | 42.8                 | 1.422                   | 59.69                   | 39.0                 | 1.53                    | 66.31                   | 42.1                 | 1.57                    | 60.75                            | 40.2                 | 1.51                    | 68.70                            | 41.9 | 1.64   |
|                 | New York—Continued      |                      |                         | New York—Continued             |                      |                         |                         |                      |                         | Syracuse                |                      |                         |                                  |                      |                         | Utica-Rome-Herkimer-Little Falls |      |        |
|                 | Elmira                  |                      |                         | Kingston-Newburgh-Poughkeepsie |                      |                         | New York City           |                      |                         | Rochester               |                      |                         |                                  |                      |                         |                                  |      |        |
| 1949: September | \$57.43                 | 40.1                 | \$1.43                  | \$52.99                        | 39.6                 | \$1.34                  | \$60.01                 | 38.0                 | \$1.58                  | \$57.51                 | 39.4                 | \$1.46                  | \$55.94                          | 40.1                 | \$1.39                  | \$51.91                          | 37.9 | \$1.37 |
| October         | 56.07                   | 39.5                 | 1.42                    | 52.58                          | 39.2                 | 1.34                    | 58.83                   | 37.7                 | 1.56                    | *57.53                  | 39.4                 | 1.46                    | 56.15                            | 40.8                 | 1.37                    | 56.30                            | 40.4 | 1.39   |
| November        | 56.19                   | 39.4                 | 1.42                    | 52.48                          | 38.8                 | 1.35                    | 57.46                   | 37.5                 | 1.53                    | 58.20                   | 39.6                 | 1.47                    | 54.73                            | 40.2                 | 1.36                    | 55.48                            | 40.1 | 1.38   |
| December        | 57.01                   | 39.7                 | 1.44                    | 53.69                          | 39.2                 | 1.36                    | 58.51                   | 37.4                 | 1.56                    | 59.19                   | 39.8                 | 1.49                    | 56.32                            | 40.4                 | 1.39                    | 55.43                            | 39.9 | 1.39   |
| 1950: January   | 56.10                   | 39.3                 | 1.43                    | 52.24                          | 38.7                 | 1.35                    | 58.50                   | 37.3                 | 1.57                    | 59.20                   | 39.8                 | 1.49                    | 55.92                            | 39.9                 | 1.40                    | 55.13                            | 39.7 | 1.39   |
| February        | 55.05                   | 38.8                 | 1.42                    | 52.15                          | 38.8                 | 1.34                    | 58.73                   | 37.5                 | 1.57                    | 58.55                   | 39.5                 | 1.48                    | 57.10                            | 40.4                 | 1.41                    | 55.82                            | 40.3 | 1.38   |
| March           | 55.51                   | 39.0                 | 1.42                    | 52.47                          | 38.8                 | 1.35                    | 58.38                   | 37.5                 | 1.56                    | 59.07                   | 39.9                 | 1.48                    | 57.58                            | 40.6                 | 1.42                    | 55.99                            | 40.0 | 1.40   |
| April           | 57.13                   | 39.7                 | 1.44                    | 52.41                          | 38.5                 | 1.36                    | 56.74                   | 37.2                 | 1.53                    | 59.59                   | 39.9                 | 1.49                    | 58.06                            | 40.8                 | 1.42                    | 56.04                            | 40.2 | 1.40   |
| May             | 56.42                   | 38.2                 | 1.44                    | 54.23                          | 39.9                 | 1.36                    | 57.21                   | 37.3                 | 1.53                    | 59.46                   | 39.8                 | 1.50                    | 59.32                            | 41.5                 | 1.43                    | 56.38                            | 39.7 | 1.42   |
| June            | 56.36                   | 40.1                 | 1.46                    | 53.98                          | 39.5                 | 1.37                    | 57.94                   | 37.7                 | 1.54                    | 60.51                   | 40.2                 | 1.50                    | 58.22                            | 40.6                 | 1.43                    | 56.94                            | 40.0 | 1.42   |
| July            | 57.69                   | 39.4                 | 1.46                    | 54.52                          | 39.6                 | 1.38                    | 59.00                   | 37.6                 | 1.57                    | 60.89                   | 40.5                 | 1.50                    | 61.36                            | 42.1                 | 1.46                    | 57.66                            | 40.6 | 1.42   |
| August          | 60.44                   | 40.6                 | 1.49                    | 56.32                          | 40.5                 | 1.39                    | 60.90                   | 38.4                 | 1.59                    | 62.43                   | 41.1                 | 1.53                    | 63.11                            | 43.1                 | 1.46                    | 58.51                            | 41.4 | 1.41   |
| September       | 60.64                   | 40.9                 | 1.52                    | 56.87                          | 40.3                 | 1.41                    | 57.26                   | 36.2                 | 1.58                    | 64.22                   | 41.5                 | 1.55                    | 65.47                            | 43.4                 | 1.51                    | 58.88                            | 41.3 | 1.42   |

See footnotes at end of table.

TABLE C-5: Hours and Gross Earnings of Production Workers in Manufacturing Industries for Selected States and Areas<sup>1</sup>—Continued

| Year and month         | North Carolina          |                      |                         |                         |                      |                         | North Dakota            |                      |                         |                      |                         |                         | Oklahoma             |                         |                         |                      |                         |         |
|------------------------|-------------------------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|---------|
|                        | State                   |                      |                         | Charlotte               |                      |                         | State                   |                      |                         | State                |                         |                         | Oklahoma City        |                         |                         | Tulsa                |                         |         |
|                        | Average weekly earnings | Average weekly hours | Average weekly earnings | Average weekly earnings | Average weekly hours | Average hourly earnings | Average weekly earnings | Average weekly hours | Average hourly earnings | Average weekly hours | Average hourly earnings | Average weekly earnings | Average weekly hours | Average hourly earnings | Average weekly earnings | Average weekly hours | Average hourly earnings |         |
| 1949: September        | \$40.85                 | 39.5                 | \$1.035                 | \$45.23                 | 40.6                 | \$1.114                 |                         |                      |                         | \$53.85              | 41.2                    | \$1.307                 |                      |                         |                         |                      |                         |         |
| October                | 41.86                   | 40.1                 | 1.045                   | 45.10                   | 40.9                 | 1.103                   |                         |                      |                         | 53.96                | 42.2                    | 1.279                   |                      |                         |                         |                      |                         |         |
| November               | 41.89                   | 39.9                 | 1.050                   | 45.88                   | 41.1                 | 1.115                   |                         |                      |                         | 54.67                | 42.4                    | 1.289                   |                      |                         |                         |                      |                         |         |
| December               | 42.25                   | 40.0                 | 1.056                   | 46.10                   | 40.9                 | 1.127                   |                         |                      |                         | 54.17                | 42.1                    | 1.286                   |                      |                         |                         |                      |                         |         |
| 1950: January          | 41.66                   | 39.5                 | 1.056                   | 45.05                   | 40.1                 | 1.123                   |                         |                      |                         | 54.94                | 41.9                    | 1.311                   | \$52.65              | 42.4                    | \$1.242                 | \$54.57              | 41.2                    | \$1.326 |
| February               | 42.33                   | 39.2                 | 1.079                   | 45.59                   | 40.1                 | 1.137                   |                         |                      |                         | 54.02                | 41.6                    | 1.300                   | 51.31                | 41.4                    | 1.239                   | 54.20                | 40.8                    | 1.328   |
| March                  | 42.11                   | 39.0                 | 1.081                   | 45.46                   | 39.7                 | 1.145                   |                         |                      |                         | 54.35                | 41.8                    | 1.301                   | 52.76                | 42.6                    | 1.239                   | 55.22                | 40.7                    | 1.356   |
| April                  | 39.82                   | 36.8                 | 1.082                   | 45.25                   | 39.6                 | 1.146                   | \$51.81                 | 42.8                 | \$1.210                 | 54.68                | 41.6                    | 1.314                   | 52.93                | 42.5                    | 1.247                   | 56.41                | 41.9                    | 1.347   |
| May                    | 40.78                   | 37.8                 | 1.079                   | 45.26                   | 39.7                 | 1.139                   | 55.23                   | 45.0                 | 1.227                   | 55.23                | 41.8                    | 1.321                   | *53.20               | *42.8                   | *1.244                  | *56.57               | *41.4                   | *1.366  |
| June                   | *41.74                  | *38.6                | 1.080                   | 45.84                   | 40.2                 | 1.139                   | 55.69                   | 45.8                 | 1.215                   | 54.95                | 41.7                    | 1.340                   | *51.67               | *41.3                   | *1.250                  | *55.23               | *40.4                   | *1.367  |
| July                   | 42.02                   | 38.6                 | 1.090                   | 45.07                   | 39.6                 | 1.139                   | 57.47                   | 46.7                 | 1.231                   | 56.41                | 42.7                    | 1.340                   | 54.59                | 43.2                    | 1.263                   | 56.44                | 40.9                    | 1.380   |
| August                 | 44.31                   | 40.6                 | 1.090                   | 47.05                   | 41.0                 | 1.150                   | 58.43                   | 48.9                 | 1.245                   | 57.85                | 42.7                    | 1.350                   | 58.30                | 44.5                    | 1.310                   | 60.11                | 44.3                    | 1.360   |
| September              | 44.86                   | 40.9                 | 1.100                   | 47.36                   | 40.7                 | 1.160                   | 57.59                   | 46.1                 | 1.249                   | 58.51                | 42.4                    | 1.380                   | 57.55                | 43.6                    | 1.320                   | 60.35                | 42.8                    | 1.410   |
| Oregon                 |                         |                      |                         |                         |                      |                         |                         |                      |                         |                      |                         |                         |                      |                         |                         |                      |                         |         |
| 1949: September        |                         |                      |                         |                         |                      |                         | Pennsylvania            |                      |                         |                      |                         |                         | Pennsylvania         |                         |                         |                      |                         |         |
| October                | \$65.18                 | 39.0                 | \$1.671                 | 51.24                   | 38.8                 | 1.322                   | \$51.92                 | 37.6                 | \$1.381                 | \$59.78              | 41.8                    | \$1.429                 | \$48.63              | 38.0                    | \$1.284                 | \$53.23              | 35.0                    | \$1.519 |
| November               | 65.00                   | 38.2                 | 1.700                   | 51.29                   | 38.0                 | 1.349                   | 52.04                   | 37.3                 | 1.390                   | 56.51                | 40.3                    | 1.403                   | 46.66                | 36.8                    | 1.269                   | 53.76                | 35.7                    | 1.607   |
| December               | 67.57                   | 39.5                 | 1.711                   | 54.29                   | 39.2                 | 1.386                   | 54.53                   | 38.8                 | 1.404                   | 58.77                | 40.8                    | 1.441                   | 47.90                | 37.9                    | 1.265                   | 57.38                | 37.7                    | 1.521   |
| 1950: January          | *61.82                  | 37.1                 | *1.67                   | 54.31                   | 39.0                 | 1.393                   | 51.65                   | 39.0                 | 1.405                   | 58.76                | 40.3                    | 1.459                   | 50.16                | 38.9                    | 1.288                   | 57.50                | 37.2                    | 1.545   |
| February               | 64.15                   | 38.0                 | 1.69                    | 54.85                   | 39.2                 | 1.399                   | 53.12                   | 38.1                 | 1.391                   | 59.47                | 40.8                    | 1.460                   | 51.14                | 39.3                    | 1.302                   | 53.57                | 35.5                    | 1.508   |
| March                  | 66.53                   | 38.6                 | 1.72                    | 53.73                   | 38.5                 | 1.394                   | 53.51                   | 38.4                 | 1.394                   | 54.35                | 40.8                    | 1.476                   | 50.05                | 38.5                    | 1.299                   | 54.41                | 35.7                    | 1.525   |
| April                  | 68.79                   | 39.2                 | 1.75                    | 54.35                   | 38.5                 | 1.412                   | 54.66                   | 38.6                 | 1.418                   | 58.79                | 40.1                    | 1.467                   | 50.39                | 38.5                    | 1.312                   | 58.86                | 38.2                    | 1.539   |
| May                    | 69.47                   | 39.1                 | 1.78                    | 55.71                   | 39.4                 | 1.416                   | 55.48                   | 38.4                 | 1.422                   | 63.12                | 43.1                    | 1.466                   | 50.90                | 38.7                    | 1.318                   | 58.58                | 37.8                    | 1.549   |
| June                   | 70.79                   | 39.3                 | 1.80                    | 56.39                   | 39.6                 | 1.424                   | 55.10                   | 39.8                 | 1.430                   | *51.63               | *54.51                  | *53.6                   | *52.04               | *59.3                   | *1.326                  | *55.70               | *35.9                   | *1.553  |
| July                   | 71.99                   | 39.6                 | 1.82                    | 56.64                   | 39.7                 | 1.428                   | 56.12                   | 38.8                 | 1.449                   | 63.06                | 42.6                    | 1.481                   | 51.58                | 38.9                    | 1.326                   | 58.54                | 37.1                    | 1.577   |
| August                 | 72.48                   | 40.6                 | 1.78                    | 57.45                   | 40.3                 | 1.430                   | 55.87                   | 39.1                 | 1.430                   | 59.10                | 39.8                    | 1.480                   | 53.11                | 40.2                    | 1.320                   | 56.84                | 36.5                    | 1.580   |
| September              | 58.53                   | 40.4                 | 1.450                   | 59.08                   | 40.3                 | 1.450                   | 58.08                   | 40.3                 | 1.470                   | 59.16                | 38.8                    | 1.490                   | 56.43                | 41.7                    | 1.360                   | \$1.00               | 38.3                    | 1.580   |
| Pennsylvania—Continued |                         |                      |                         |                         |                      |                         |                         |                      |                         |                      |                         |                         |                      |                         |                         |                      |                         |         |
| 1949: September        | Lancaster               |                      |                         | Philadelphia            |                      |                         | Pittsburgh              |                      |                         | Reading-Lebanon      |                         |                         | Scranton             |                         |                         | York-Adams           |                         |         |
| October                | \$48.31                 | 40.0                 | \$1.205                 | \$57.98                 | 39.3                 | \$1.474                 | \$58.52                 | 36.9                 | \$1.587                 | \$51.76              | 38.2                    | \$1.360                 | \$42.94              | 38.5                    | \$1.118                 | \$42.72              | 39.5                    | \$1.106 |
| November               | 48.90                   | 40.4                 | 1.209                   | 57.56                   | 39.4                 | 1.462                   | 56.19                   | 36.2                 | 1.551                   | 53.15                | 39.3                    | 1.356                   | 43.22                | 38.7                    | 1.117                   | 44.96                | 41.5                    | 1.102   |
| December               | 48.35                   | 39.7                 | 1.216                   | 57.13                   | 39.3                 | 1.456                   | 55.27                   | 35.3                 | 1.568                   | 53.39                | 38.9                    | 1.375                   | 42.91                | 38.7                    | 1.109                   | 44.73                | 41.3                    | 1.096   |
| 50.45                  | 40.8                    | 1.229                | 57.71                   | 39.8                    | 1.451                | 62.18                   | 39.1                    | 1.589                | 53.76                   | 38.8                 | 1.389                   | 43.57                   | 38.7                 | 1.126                   | 46.57                   | 41.4                 | 1.140                   |         |
| 1950: January          | 49.10                   | 39.7                 | 1.230                   | 58.13                   | 39.6                 | 1.468                   | 62.43                   | 38.9                 | 1.604                   | 52.29                | 37.7                    | 1.388                   | 43.79                | 38.9                    | 1.125                   | 47.02                | 41.5                    | 1.149   |
| February               | 49.63                   | 40.0                 | 1.235                   | 58.44                   | 39.7                 | 1.471                   | 62.87                   | 39.5                 | 1.584                   | 54.44                | 39.0                    | 1.397                   | 44.71                | 38.9                    | 1.149                   | 47.18                | 40.8                    | 1.170   |
| March                  | 50.50                   | 40.2                 | 1.250                   | 58.40                   | 39.7                 | 1.473                   | 57.80                   | 36.5                 | 1.591                   | 54.05                | 39.2                    | 1.406                   | 45.24                | 38.8                    | 1.165                   | 47.77                | 40.4                    | 1.197   |
| April                  | 50.04                   | 39.6                 | 1.257                   | 57.27                   | 38.7                 | 1.477                   | 62.70                   | 39.2                 | 1.599                   | 53.14                | 38.3                    | 1.390                   | 43.34                | 37.2                    | 1.166                   | 47.76                | 40.3                    | 1.203   |
| May                    | *51.50                  | 40.6                 | 1.261                   | 58.82                   | 39.7                 | 1.485                   | 64.10                   | 40.4                 | 1.601                   | 55.60                | 39.6                    | 1.405                   | *44.23               | 38.5                    | 1.150                   | 48.67                | 40.9                    | 1.204   |
| June                   | *52.70                  | 41.4                 | *1.268                  | *58.85                  | 40.1                 | *1.491                  | *64.45                  | *39.8                | *1.618                  | *56.15               | *40.0                   | 1.403                   | *45.67               | *39.0                   | *1.172                  | *49.14               | *41.2                   | *1.211  |
| July                   | 53.31                   | 41.6                 | 1.276                   | 59.69                   | 40.3                 | 1.483                   | 64.10                   | 39.9                 | 1.620                   | 56.71                | 40.5                    | 1.404                   | 45.30                | 38.8                    | 1.167                   | 47.34                | 40.3                    | 1.210   |
| August                 | 54.75                   | 42.4                 | 1.290                   | 62.10                   | 41.1                 | 1.519                   | 64.40                   | 40.0                 | 1.620                   | 58.35                | 41.4                    | 1.410                   | 46.35                | 39.1                    | 1.190                   | 49.33                | 41.4                    | 1.210   |
| September              | 54.37                   | 41.9                 | 1.290                   | 62.05                   | 40.9                 | 1.520                   | 65.93                   | 40.3                 | 1.630                   | 57.70                | 40.7                    | 1.420                   | 47.14                | 39.4                    | 1.200                   | 48.78                | 41.0                    | 1.210   |

See footnotes at end of table.

TABLE C-5: Hours and Gross Earnings of Production Workers in Manufacturing Industries for Selected States and Areas<sup>1</sup>—Continued

| Year and month      | Rhode Island            |                      |                         |                         |                      |                         | South Carolina          |                      |                         | South Dakota            |                      |                         | Tennessee               |                      |                         |
|---------------------|-------------------------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|
|                     | State                   |                      |                         | Providence              |                      |                         | State                   |                      |                         | State                   |                      |                         | State                   |                      |                         |
|                     | Average weekly earnings | Average weekly hours | Average hourly earnings | Average weekly earnings | Average weekly hours | Average hourly earnings | Average weekly earnings | Average weekly hours | Average hourly earnings | Average weekly earnings | Average weekly hours | Average hourly earnings | Average weekly earnings | Average weekly hours | Average hourly earnings |
| 1949: September     | \$48.34                 | 39.1                 | \$1.236                 | \$48.85                 | 39.6                 | \$1.233                 | \$40.51                 | 38.8                 | \$1.044                 | \$53.30                 | 43.8                 | \$1.216                 | \$45.47                 | 40.6                 | \$1.12                  |
| October             | 47.27                   | 38.0                 | 1.245                   | 48.21                   | 38.6                 | 1.249                   | 42.15                   | 40.3                 | 1.046                   | 51.72                   | 42.9                 | 1.205                   | *\$44.84                | 40.4                 | 1.11                    |
| November            | 48.96                   | 39.3                 | 1.247                   | 49.18                   | 39.5                 | 1.245                   | 42.43                   | 40.1                 | 1.058                   | 55.04                   | 45.2                 | 1.216                   | 44.18                   | 39.8                 | 1.11                    |
| December            | 50.27                   | 40.2                 | 1.251                   | 50.75                   | 40.6                 | 1.250                   | 42.97                   | 40.5                 | 1.061                   | 57.98                   | 45.1                 | 1.285                   | *\$44.62                | 40.2                 | 1.11                    |
| 1950: January       | 50.33                   | 40.5                 | 1.243                   | 50.78                   | 40.8                 | 1.244                   | 42.83                   | 40.1                 | 1.068                   | 57.50                   | 44.4                 | 1.295                   | *\$44.97                | 39.8                 | 1.13                    |
| February            | 50.37                   | 40.3                 | 1.249                   | 50.61                   | 40.5                 | 1.250                   | 43.38                   | 39.8                 | 1.090                   | 54.94                   | 43.2                 | 1.272                   | *\$45.31                | 39.4                 | 1.15                    |
| March               | 50.81                   | 40.6                 | 1.251                   | 50.54                   | 40.2                 | 1.256                   | 42.82                   | 39.5                 | 1.084                   | 54.45                   | 42.6                 | 1.277                   | *\$45.82                | 39.5                 | 1.16                    |
| April               | 49.08                   | 39.4                 | 1.247                   | 49.35                   | 39.5                 | 1.250                   | 42.06                   | 38.8                 | 1.084                   | 52.21                   | 41.5                 | 1.258                   | *\$45.59                | 39.3                 | 1.16                    |
| May                 | 49.34                   | 39.4                 | 1.254                   | 49.46                   | 39.5                 | 1.252                   | 41.73                   | 38.5                 | 1.084                   | 53.22                   | 42.3                 | 1.258                   | 46.35                   | 39.6                 | 1.17                    |
| June                | 50.81                   | 40.5                 | 1.255                   | 50.36                   | 39.7                 | 1.267                   | *\$42.80                | *39.3                | *1.089                  | 54.54                   | 43.1                 | 1.265                   | 46.26                   | 39.9                 | 1.16                    |
| July                | 50.77                   | 40.1                 | 1.265                   | 50.81                   | 40.4                 | 1.258                   | 43.35                   | 39.7                 | 1.089                   | 55.17                   | 43.4                 | 1.270                   | 46.57                   | 39.8                 | 1.17                    |
| August              | 50.55                   | 40.2                 | 1.257                   | 50.95                   | 40.6                 | 1.254                   | 45.15                   | 40.9                 | 1.104                   | 54.22                   | 43.0                 | 1.260                   | 47.38                   | 41.2                 | 1.15                    |
| September           | 52.29                   | 40.9                 | 1.278                   | 52.18                   | 41.1                 | 1.269                   | 45.32                   | 40.9                 | 1.108                   | 56.12                   | 42.7                 | 1.310                   | 48.85                   | 41.4                 | 1.18                    |
| Tennessee—Continued |                         |                      |                         |                         |                      |                         |                         |                      |                         |                         |                      |                         |                         |                      |                         |
| 1949: September     | \$44.89                 | 38.7                 | \$1.16                  | \$52.00                 | 41.6                 | \$1.25                  | \$55.60                 | 42.7                 | 1.302                   | 56.91                   | 39.6                 | 1.43                    | 47.10                   | 40.7                 | 1.16                    |
| October             | 45.36                   | 39.1                 | 1.16                    | 50.95                   | 41.1                 | 1.24                    | 55.15                   | 42.0                 | 1.322                   | 55.91                   | 39.1                 | 1.43                    | 47.64                   | 41.0                 | 1.16                    |
| November            | 46.14                   | 39.1                 | 1.18                    | 52.08                   | 42.0                 | 1.24                    | 55.19                   | 41.4                 | 1.333                   | 55.95                   | 39.4                 | 1.42                    | 48.62                   | 41.2                 | 1.18                    |
| December            | 45.78                   | 38.8                 | 1.18                    | 49.78                   | 40.8                 | 1.22                    | 55.59                   | 41.8                 | 1.330                   | 57.74                   | 40.1                 | 1.44                    | 48.64                   | 40.9                 | 1.19                    |
| 1950: January       | 46.65                   | 39.2                 | 1.19                    | 54.10                   | 42.6                 | 1.27                    | 54.88                   | 41.7                 | 1.316                   | 54.90                   | 40.9                 | 1.44                    | 48.63                   | 41.0                 | 1.19                    |
| February            | 47.60                   | 40.0                 | 1.19                    | 51.46                   | 41.6                 | 1.24                    | *\$55.96                | 42.2                 | *1.326                  | 60.47                   | 41.7                 | 1.45                    | 48.90                   | 41.3                 | 1.22                    |
| March               | 46.89                   | 39.4                 | 1.19                    | 55.37                   | 43.6                 | 1.27                    | 57.44                   | 42.8                 | 1.340                   | 56.39                   | 42.4                 | 1.33                    | 50.03                   | 41.8                 | 1.22                    |
| April               | 49.80                   | 41.5                 | 1.20                    | 51.66                   | 42.2                 | 1.21                    | 57.48                   | 42.8                 | 1.343                   | 57.81                   | 41.0                 | 1.41                    | 52.12                   | 42.8                 | 1.22                    |
| May                 | 51.29                   | 41.7                 | 1.23                    | 55.00                   | 44.0                 | 1.25                    | 59.38                   | 43.5                 | 1.365                   | 56.17                   | 41.0                 | 1.37                    | 52.90                   | 42.9                 | 1.23                    |
| Vermont—Continued   |                         |                      |                         |                         |                      |                         |                         |                      |                         |                         |                      |                         |                         |                      |                         |
| 1949: September     | \$46.35                 | 39.6                 | \$1.17                  |                         |                      |                         | \$62.78                 | 38.8                 | \$1.618                 | \$56.47                 | 40.5                 | \$1.395                 | \$63.91                 | 40.8                 | \$1.568                 |
| October             | 49.93                   | 40.4                 | 1.24                    | \$44.67                 | 40.1                 | \$1.114                 | 63.97                   | 39.1                 | 1.636                   | 57.31                   | 41.0                 | 1.397                   | 62.18                   | 39.9                 | 1.560                   |
| November            | 48.84                   | 39.6                 | 1.23                    | 45.33                   | 40.4                 | 1.122                   | 64.41                   | 38.8                 | 1.660                   | 56.10                   | 40.2                 | 1.395                   | 58.71                   | 37.7                 | 1.559                   |
| December            | 48.55                   | 38.8                 | 1.25                    | 45.91                   | 40.7                 | 1.128                   | 65.14                   | 39.1                 | 1.666                   | 57.94                   | 41.1                 | 1.410                   | 65.30                   | 41.7                 | 1.567                   |
| 1950: January       | 49.50                   | 40.3                 | 1.23                    | 46.02                   | 40.3                 | 1.142                   | 59.88                   | 35.9                 | 1.668                   | 58.18                   | 40.7                 | 1.429                   | 63.50                   | 40.5                 | 1.568                   |
| February            | 48.28                   | 40.0                 | 1.21                    | 45.89                   | 39.8                 | 1.153                   | 62.20                   | 37.2                 | 1.672                   | 58.75                   | 41.2                 | 1.426                   | 67.09                   | 42.1                 | 1.594                   |
| March               | 49.32                   | 40.4                 | 1.22                    | 45.40                   | 39.9                 | 1.163                   | 65.49                   | 38.8                 | 1.688                   | 59.59                   | 41.5                 | 1.432                   | 67.53                   | 42.4                 | 1.591                   |
| April               | 49.30                   | 40.2                 | 1.23                    | 44.97                   | 38.5                 | 1.168                   | 66.56                   | 39.2                 | 1.698                   | 60.59                   | 41.8                 | 1.449                   | 73.03                   | 44.4                 | 1.644                   |
| May                 | 48.55                   | 39.7                 | 1.22                    | 45.36                   | 39.6                 | 1.163                   | 66.93                   | 39.3                 | 1.706                   | 63.35                   | 42.1                 | 1.459                   | 73.85                   | 44.9                 | 1.645                   |
| June                | 48.00                   | 40.4                 | 1.19                    | *46.40                  | *40.1                | *1.157                  | 67.68                   | 39.6                 | 1.709                   | 61.04                   | 41.9                 | 1.458                   | 63.50                   | 40.4                 | 1.570                   |
| July                | 45.71                   | 38.0                 | 1.20                    | 46.76                   | 40.0                 | 1.169                   | 69.16                   | 40.0                 | 1.729                   | 59.55                   | 41.5                 | 1.434                   | 54.97                   | 35.1                 | 1.566                   |
| August              | 48.16                   | 39.7                 | 1.21                    | 48.48                   | 41.4                 | 1.171                   | 68.93                   | 39.5                 | 1.750                   | 61.16                   | 42.1                 | 1.450                   | 60.93                   | 38.4                 | 1.580                   |
| September           | 48.95                   | 39.6                 | 1.24                    | 47.98                   | 40.8                 | 1.176                   | 69.40                   | 39.3                 | 1.770                   | 62.49                   | 42.2                 | 1.480                   | 63.82                   | 39.9                 | 1.600                   |

See footnotes at end of table.

TABLE C-5: Hours and Gross Earnings of Production Workers in Manufacturing Industries for Selected States and Areas<sup>1</sup>—Continued

| Year and month  | Wisconsin—Continued     |                      |                         |                         |                      |                         |                      |                         |                         |                      | Wyoming                 |                         |                      |                         |         |
|-----------------|-------------------------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|-------------------------|----------------------|-------------------------|---------|
|                 | La Crosse               |                      |                         | Madison                 |                      |                         | Milwaukee            |                         |                         | Racine               |                         |                         | State                |                         |         |
|                 | Average weekly earnings | Average weekly hours | Average hourly earnings | Average weekly earnings | Average weekly hours | Average hourly earnings | Average weekly hours | Average hourly earnings | Average weekly earnings | Average weekly hours | Average hourly earnings | Average weekly earnings | Average weekly hours | Average hourly earnings |         |
| 1949: September | \$61.16                 | 41.5                 | \$1.473                 | \$52.22                 | 36.3                 | \$1.457*                | \$60.79              | 39.7                    | \$1.530                 | \$61.63              | 39.4                    | \$1.565                 | \$64.71              | 37.3                    | \$1.732 |
| October         | 60.13                   | 40.8                 | 1.475                   | 55.04                   | 38.9                 | 1.417                   | 60.97                | 40.0                    | 1.524                   | 60.75                | 39.0                    | 1.564                   | 61.60                | 37.4                    | 1.647   |
| November        | 55.60                   | 39.2                 | 1.417                   | 58.20                   | 40.8                 | 1.427                   | 59.43                | 39.2                    | 1.515                   | 57.75                | 37.3                    | 1.547                   | 68.82                | 42.5                    | 1.620   |
| December        | 61.68                   | 41.8                 | 1.474                   | 60.44                   | 41.4                 | 1.460                   | 61.50                | 40.3                    | 1.525                   | 60.93                | 39.1                    | 1.559                   | 67.99                | 40.9                    | 1.664   |
| 1950: January   | 63.12                   | 41.3                 | 1.528                   | 58.42                   | 40.5                 | 1.441                   | 62.14                | 40.1                    | 1.550                   | 62.15                | 39.4                    | 1.578                   | 67.08                | 38.1                    | 1.759   |
| February        | 58.29                   | 39.6                 | 1.470                   | 56.66                   | 39.4                 | 1.437                   | 61.94                | 40.1                    | 1.544                   | 62.14                | 39.4                    | 1.578                   | 68.38                | 39.3                    | 1.742   |
| March           | 57.67                   | 39.3                 | 1.467                   | 55.97                   | 39.1                 | 1.431                   | 63.75                | 40.9                    | 1.557                   | 63.75                | 39.8                    | 1.601                   | 65.95                | 38.0                    | 1.737   |
| April           | 56.53                   | 40.0                 | 1.414                   | 55.35                   | 38.7                 | 1.431                   | 65.22                | 41.2                    | 1.582                   | 64.37                | 40.3                    | 1.582                   | 67.47                | 38.9                    | 1.734   |
| May             | 57.02                   | 39.4                 | 1.449                   | 57.34                   | 39.4                 | 1.456                   | 66.28                | 41.5                    | 1.590                   | 63.64                | 40.0                    | 1.592                   | 67.98                | 39.9                    | 1.703   |
| June            | 58.61                   | 40.3                 | 1.456                   | 57.90                   | 39.6                 | 1.461                   | 65.41                | 41.1                    | 1.590                   | 64.71                | 40.6                    | 1.595                   | 66.64                | 39.1                    | 1.706   |
| July            | 58.52                   | 39.2                 | 1.491                   | 57.77                   | 38.9                 | 1.486                   | 65.49                | 40.7                    | 1.610                   | 64.91                | 40.6                    | 1.598                   | 65.29                | 40.6                    | 1.684   |
| August          | 57.86                   | 39.1                 | 1.490                   | 57.73                   | 39.1                 | 1.480                   | 65.81                | 40.5                    | 1.620                   | 65.80                | 41.2                    | 1.600                   | 70.89                | 41.1                    | 1.727   |
| September       | 59.92                   | 39.7                 | 1.510                   | 61.37                   | 39.6                 | 1.550                   | 60.15                | 42.1                    | 1.640                   | 60.02                | 42.2                    | 1.640                   | 69.67                | 39.8                    | 1.751   |

<sup>1</sup> State and area hours and gross earnings are prepared by various cooperating State agencies. Owing to differences in methodology the data may not be strictly comparable among the States or with the national averages. Variations in earnings among the States and areas reflect, to some extent, differences with respect to industrial composition. Revised data for all except the three most recent months will be identified by an asterisk (\*).

for the first month's publication of such data. A number of States also make available more detailed industry data as well as information for earlier periods which may be secured directly upon request to the appropriate State agency as listed in footnote 1, table A-10.

\* Revised series; not comparable with data previously published.

## D: Prices and Cost of Living

TABLE D-1: Consumers' Price Index<sup>1</sup> for Moderate-Income Families in Large Cities, by Group of Commodities

[1935-39=100]

| Year and month   | All items | Food  | Apparel | Rent  | Fuel, electricity, and refrigeration <sup>2</sup> |                     |             |       | Housefurnishings | Miscellaneous <sup>3</sup> |
|------------------|-----------|-------|---------|-------|---|---------------------|-------------|-------|------------------|----------------------------|
|                  |           |       |         |       | Total   | Gas and electricity | Other fuels | Ice   |                  |                            |
| 1913: Average    | 70.7      | 79.9  | 69.3    | 92.2  | 61.9  | (*)                 | (*)         | (*)   | 59.1             | 50.9                       |
| 1914: July       | 71.7      | 81.7  | 69.8    | 92.2  | 62.3  | (*)                 | (*)         | (*)   | 60.8             | 52.0                       |
| 1918: December   | 118.0     | 149.6 | 147.6   | 97.1  | 90.4  | (*)                 | (*)         | (*)   | 121.2            | 83.1                       |
| 1920: June       | 149.4     | 185.0 | 209.7   | 119.1 | 104.8   | (*)                 | (*)         | (*)   | 169.7            | 100.7                      |
| 1929: Average    | 122.8     | 132.5 | 115.3   | 141.4 | 112.5   | (*)                 | (*)         | (*)   | 111.7            | 104.6                      |
| 1932: Average    | 97.6      | 86.8  | 90.8    | 116.9 | 103.4   | (*)                 | (*)         | (*)   | 85.4             | 101.7                      |
| 1939: Average    | 99.4      | 95.2  | 100.3   | 104.3 | 99.0  | 98.9                | 99.1        | 100.2 | 101.3            | 100.7                      |
| August 15        | 99.6      | 93.5  | 100.3   | 104.3 | 97.5  | 98.0                | 95.2        | 100.0 | 100.6            | 100.4                      |
| 1940: Average    | 102.2     | 96.6  | 101.7   | 106.2 | 99.7  | 98.0                | 101.9       | 100.4 | 100.5            | 101.1                      |
| 1941: Average    | 105.2     | 105.5 | 106.3   | 106.2 | 102.2   | 97.1                | 108.3       | 101.1 | 107.3            | 104.0                      |
| January 1        | 100.8     | 97.6  | 101.2   | 105.0 | 100.8   | 97.5                | 105.4       | 100.3 | 100.2            | 101.8                      |
| December 15      | 110.8     | 113.1 | 114.8   | 108.2 | 104.1   | 96.7                | 113.1       | 105.1 | 116.8            | 107.7                      |
| 1942: Average    | 116.5     | 123.9 | 124.2   | 108.5 | 105.4   | 96.7                | 115.1       | 110.0 | 122.2            | 110.9                      |
| 1943: Average    | 123.6     | 138.0 | 129.7   | 108.0 | 107.7   | 96.1                | 120.7       | 114.2 | 125.6            | 115.5                      |
| 1944: Average    | 125.5     | 136.1 | 138.8   | 108.2 | 109.8   | 95.8                | 126.0       | 115.8 | 136.4            | 121.3                      |
| 1945: Average    | 128.4     | 139.1 | 145.9   | 108.3 | 110.3   | 95.0                | 128.3       | 115.9 | 145.8            | 124.1                      |
| August 15        | 129.3     | 140.9 | 146.4   | (*)   | 111.4   | 95.2                | 131.0       | 115.8 | 146.0            | 124.5                      |
| 1946: Average    | 139.3     | 159.6 | 160.2   | 108.6 | 112.4   | 92.4                | 136.9       | 115.9 | 159.2            | 128.8                      |
| June 15          | 133.3     | 145.6 | 157.2   | 108.5 | 110.5   | 92.1                | 133.0       | 115.1 | 156.1            | 127.9                      |
| November 15      | 152.2     | 187.7 | 171.0   | (*)   | 114.8   | 91.8                | 142.6       | 117.9 | 171.0            | 132.5                      |
| 1947: Average    | 159.2     | 193.8 | 185.8   | 111.2 | 121.1   | 92.0                | 156.1       | 125.9 | 184.4            | 139.9                      |
| December 15      | 167.0     | 206.9 | 191.2   | 118.4 | 127.8   | 92.6                | 171.1       | 129.8 | 191.4            | 144.4                      |
| 1948: Average    | 171.2     | 210.2 | 198.0   | 117.4 | 133.9   | 94.3                | 183.4       | 135.2 | 195.8            | 149.9                      |
| December 15      | 171.4     | 205.0 | 200.4   | 119.5 | 137.8   | 95.3                | 191.3       | 138.4 | 198.6            | 154.0                      |
| 1949: Average    | 169.1     | 201.9 | 190.1   | 120.8 | 137.5   | 96.7                | 187.7       | 141.7 | 189.0            | 154.6                      |
| September 15     | 160.6     | 204.2 | 187.2   | 121.2 | 137.0   | 97.1                | 185.9       | 141.5 | 185.6            | 155.2                      |
| October 15       | 168.5     | 200.1 | 186.8   | 121.5 | 138.4   | 97.0                | 188.3       | 145.6 | 185.2            | 155.2                      |
| November 15      | 168.6     | 200.8 | 186.3   | 122.0 | 139.1   | 97.0                | 190.0       | 146.6 | 185.4            | 154.9                      |
| December 15      | 167.5     | 197.3 | 185.8   | 122.2 | 139.7   | 97.2                | 191.6       | 145.5 | 185.4            | 155.8                      |
| 1950: January 15 | 166.9     | 196.0 | 185.0   | 122.6 | 140.0   | 96.7                | 193.1       | 145.5 | 184.7            | 155.1                      |
| February 15      | 166.5     | 194.8 | 184.8   | 122.8 | 140.3   | 97.1                | 193.2       | 145.5 | 185.3            | 155.1                      |
| March 15         | 167.0     | 199.0 | 185.0   | 122.9 | 140.9   | 97.1                | 194.4       | 146.6 | 185.4            | 155.0                      |
| April 15         | 167.3     | 196.6 | 185.1   | 123.1 | 141.4   | 97.2                | 195.6       | 146.6 | 185.6            | 154.8                      |
| May 15           | 168.6     | 200.3 | 185.1   | 123.5 | 138.8   | 97.1                | 190.1       | 146.6 | 185.4            | 155.3                      |
| June 15          | 170.2     | 204.6 | 185.0   | 123.9 | 138.9   | 97.0                | 189.4       | 146.6 | 185.2            | 155.3                      |
| July 15          | 172.5     | 210.0 | 184.7   | 124.3 | 139.5   | 97.0                | 190.9       | 146.6 | 186.4            | 156.2                      |
| August 15        | 173.0     | 209.0 | 185.9   | 124.6 | 140.9   | 97.0                | 194.4       | 147.4 | 189.3            | 158.1                      |
| September 15     | 173.8     | 208.5 | 190.5   | 124.8 | 141.8   | 97.0                | 196.5       | 148.0 | 195.4            | 158.8                      |

<sup>1</sup> The "Consumers' price index for moderate-income families in large cities," formerly known as the "Cost of living index," measures average changes in retail prices of selected goods, rents, and services weighted by quantities bought in 1934-36 by families of wage earners and moderate-income workers in large cities whose incomes averaged \$1,524 in 1934-36.

Bureau of Labor Statistics Bulletin 999, Changes in Cost of Living in Large Cities in the United States, 1913-41, contains a detailed description of methods used in constructing this index. Additional information on the consumers' price index is given in a compilation of reports published by the Office of Economic Stabilization, Report of the President's Committee on the Cost of Living.

Mimeographed tables are available upon request showing indexes for each of the cities regularly surveyed by the Bureau and for each of the major groups of living essentials. Indexes for all large cities combined are available since 1913. The beginning date for series of indexes for individual cities varies from city to city but indexes are available for most of the 34 cities since World War I.

<sup>2</sup> The group index formerly entitled "Fuel, electricity, and ice" is now designated "Fuel, electricity, and refrigeration". Indexes are comparable with those previously published for "Fuel, electricity, and ice." The subgroup "Other fuels and ice" has been discontinued; separate indexes are presented for "Other fuels" and "ice."

<sup>3</sup> The miscellaneous group covers transportation (such as automobiles and their upkeep and public transportation fares); medical care (including professional care and medical supplies); household operation (covering supplies and different kinds of field services); recreation (that is, newspapers, motion pictures, and tobacco products); personal care (barbers and beauty-shop services and toilet articles); etc.

\* Data not available.

<sup>a</sup> Rents not surveyed this month.

<sup>b</sup> Corrected.

TABLE D-2: Consumers' Price Index for Moderate-Income Families, by City,<sup>1</sup> for Selected Periods

[1935-39=100]

| City                      | Sept. 15, 1950 | Aug. 15, 1950 | July 15, 1950 | June 15, 1950 | May 15, 1950 | Apr. 15, 1950 | Mar. 15, 1950 | Feb. 15, 1950 | Jan. 15, 1950 | Dec. 15, 1949 | Nov. 15, 1949 | Oct. 15, 1949 | Sept. 15, 1949 | June 15, 1946 | Aug. 15, 1939 |
|---------------------------|----------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Average.....              | 173.8          | 173.0         | 172.5         | 170.2         | 168.6        | 167.3         | 167.0         | 166.8         | 166.9         | 167.5         | 168.6         | 168.5         | 169.6          | 133.3         | 98.6          |
| Atlanta, Ga.....          | (2)            | 176.6         | (2)           | (2)           | 169.3        | (2)           | (2)           | 168.3         | (2)           | 170.5         | (2)           | (2)           | (2)            | 133.8         | 98.0          |
| Baltimore, Md.....        | 178.1          | (2)           | (2)           | 174.3         | (2)          | (2)           | 170.1         | (2)           | 170.9         | (2)           | (2)           | (2)           | 174.0          | 135.6         | 98.7          |
| Birmingham, Ala.....      | 179.7          | 177.7         | 175.7         | 171.1         | 169.0        | 167.7         | 168.4         | 166.4         | 166.9         | 168.4         | 170.5         | 170.3         | 171.8          | 138.5         | 98.5          |
| Boston, Mass.....         | 168.2          | 168.4         | 168.4         | 166.2         | 163.2        | 162.3         | 162.0         | 160.7         | 161.5         | 162.7         | 164.0         | 164.1         | 165.4          | 127.9         | 97.1          |
| Buffalo, N. Y.....        | (2)            | (2)           | 172.0         | (2)           | (2)          | 166.3         | (2)           | (2)           | 164.8         | (2)           | (2)           | 167.4         | (2)            | 132.6         | 98.8          |
| Chicago, Ill.....         | 179.8          | 180.2         | 179.2         | 176.4         | 175.3        | 172.9         | 172.9         | 172.0         | 172.3         | 173.2         | 175.3         | 174.4         | 175.8          | 130.9         | 98.7          |
| Cincinnati, Ohio.....     | 175.5          | 174.4         | 173.4         | 171.2         | 169.7        | 167.3         | 167.9         | 167.2         | 167.7         | 167.8         | 168.3         | 168.7         | 170.8          | 132.2         | 97.3          |
| Cleveland, Ohio.....      | (2)            | 176.0         | (2)           | (2)           | 170.1        | (2)           | (2)           | 168.7         | (2)           | 170.3         | (2)           | (2)           | (2)            | 135.7         | 100.0         |
| Denver, Colo.....         | (2)            | (2)           | 169.5         | (2)           | (2)          | 165.7         | (2)           | (2)           | 164.5         | (2)           | (2)           | 164.6         | (2)            | 131.7         | 98.6          |
| Detroit, Mich.....        | 175.4          | 175.1         | 176.2         | 174.2         | 171.4        | 169.5         | 168.3         | 168.1         | 168.5         | 169.1         | 169.8         | 168.7         | 170.4          | 135.4         | 98.5          |
| Houston, Tex.....         | 179.8          | 177.9         | 175.1         | 173.1         | 172.4        | 171.9         | 172.9         | 172.8         | 173.2         | 173.3         | 172.0         | 171.1         | 180.5          | 100.7         |               |
| Indianapolis, Ind.....    | (2)            | (2)           | 175.1         | (2)           | (2)          | 170.9         | (2)           | (2)           | 170.6         | (2)           | (2)           | 172.1         | (2)            | 131.9         | 98.0          |
| Jacksonville, Fla.....    | 182.4          | (2)           | (2)           | 176.7         | (2)          | (2)           | 174.8         | (2)           | (2)           | 175.5         | (2)           | (2)           | (2)            | 138.4         | 98.5          |
| Kansas City, Mo.....      | (2)            | (2)           | 166.1         | (2)           | (2)          | 161.1         | (2)           | (2)           | 160.6         | (2)           | (2)           | 161.1         | (2)            | 129.4         | 98.6          |
| Los Angeles, Calif.....   | 166.5          | 169.1         | 168.2         | 166.7         | 166.7        | 166.9         | 165.9         | 165.9         | 166.1         | 166.9         | 168.4         | 166.6         | 166.5          | 167.1         | 100.5         |
| Manchester, N. H.....     | (2)            | (2)           | 173.1         | (2)           | (2)          | 167.1         | (2)           | (2)           | 167.1         | (2)           | (2)           | 169.3         | (2)            | 134.7         | 97.8          |
| Memphis, Tenn.....        | 177.2          | (2)           | (2)           | 169.9         | (2)          | (2)           | 169.4         | (2)           | (2)           | 170.8         | (2)           | (2)           | (2)            | 172.7         | 97.8          |
| Milwaukee, Wis.....       | (2)            | 175.7         | (2)           | (2)           | 170.9        | (2)           | (2)           | 167.6         | (2)           | (2)           | 168.4         | (2)           | (2)            | 131.2         | 97.0          |
| Minneapolis, Minn.....    | 175.2          | (2)           | (2)           | 169.2         | (2)          | (2)           | 167.1         | (2)           | (2)           | 167.4         | (2)           | (2)           | (2)            | 168.2         | 99.7          |
| Mobile, Ala.....          | 172.9          | (2)           | (2)           | 167.4         | (2)          | (2)           | 166.2         | (2)           | (2)           | 167.4         | (2)           | (2)           | (2)            | 169.2         | 98.6          |
| New Orleans, La.....      | (2)            | 178.7         | (2)           | (2)           | 171.5        | (2)           | (2)           | 170.6         | (2)           | (2)           | 173.3         | (2)           | (2)            | 135.0         | 99.7          |
| New York, N. Y.....       | 170.3          | 168.0         | 170.0         | 167.0         | 165.4        | 164.5         | 164.0         | 163.7         | 164.9         | 165.8         | 165.9         | 167.8         | 135.8          | 99.0          |               |
| Norfolk, Va.....          | (2)            | 177.2         | (2)           | (2)           | 170.9        | (2)           | (2)           | 167.1         | (2)           | (2)           | 168.2         | (2)           | (2)            | 135.2         | 97.8          |
| Philadelphia, Pa.....     | 173.6          | 172.3         | 171.5         | 169.7         | 167.1        | 166.0         | 166.0         | 165.1         | 165.0         | 167.3         | 168.6         | 168.9         | 169.6          | 132.5         | 97.8          |
| Pittsburgh, Pa.....       | 177.7          | 176.4         | 174.9         | 173.4         | 172.0        | 170.1         | 169.5         | 168.8         | 169.9         | 170.3         | 171.3         | 171.1         | 172.3          | 134.7         | 98.4          |
| Portland, Maine.....      | 167.9          | (2)           | (2)           | 164.5         | (2)          | (2)           | 163.7         | (2)           | (2)           | 162.8         | (2)           | (2)           | 164.9          | 128.7         | 97.1          |
| Portland, Ore.....        | (2)            | (2)           | 179.2         | (2)           | (2)          | 174.8         | (2)           | (2)           | 173.8         | (2)           | (2)           | 173.6         | (2)            | 140.3         | 100.1         |
| Richmond, Va.....         | (2)            | (2)           | 168.1         | (2)           | (2)          | 161.9         | (2)           | (2)           | 161.8         | (2)           | (2)           | 164.9         | (2)            | 128.5         | 98.0          |
| St. Louis, Mo.....        | 175.0          | (2)           | (2)           | 169.7         | (2)          | (2)           | 167.4         | (2)           | (2)           | 167.8         | (2)           | (2)           | 169.9          | 131.2         | 98.1          |
| San Francisco, Calif..... | 170.0          | (2)           | (2)           | 173.1         | (2)          | (2)           | 172.3         | (2)           | (2)           | 173.5         | (2)           | (2)           | 173.0          | 137.8         | 99.3          |
| Seattle, Wash.....        | (2)            | 177.2         | (2)           | (2)           | 170.9        | (2)           | (2)           | 169.1         | (2)           | (2)           | 173.4         | (2)           | (2)            | 140.6         | 99.3          |
| Scranton, Pa.....         | (2)            | 171.8         | (2)           | (2)           | 167.3        | (2)           | (2)           | 163.7         | (2)           | (2)           | 166.3         | (2)           | (2)            | 132.2         | 96.0          |
| Seattle, Wash.....        | (2)            | 175.2         | (2)           | (2)           | 171.8        | (2)           | (2)           | 171.6         | (2)           | (2)           | 171.6         | (2)           | (2)            | 137.0         | 100.3         |
| Washington, D. C.....     | (2)            | 168.9         | (2)           | (2)           | 165.2        | (2)           | (2)           | 163.7         | (2)           | (2)           | 166.2         | (2)           | (2)            | 135.8         | 98.6          |

<sup>1</sup> The indexes are based on time-to-time changes in the cost of goods and services purchased by moderate-income families in large cities. They do not indicate whether it costs more to live in one city than in another.

<sup>2</sup> Through June 1947, consumers' price indexes were computed monthly for

21 cities and in March, June, September, and December for 13 additional cities; beginning July 1947 indexes were computed monthly for 10 cities and once every 3 months for 24 additional cities according to a staggered schedule.

<sup>3</sup> Corrected.

TABLE D-3: Consumers' Price Index for Moderate-Income Families, by City and Group of Commodities<sup>1</sup>

[1935-39 = 100]

| City                      | Food              |                  | Apparel           |                  | Rent              |                  | Fuel, electricity, and refrigeration |                  |                     |                  | Housefurnishings  |                  | Miscellaneous     |                  |
|---------------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|--------------------------------------|------------------|---------------------|------------------|-------------------|------------------|-------------------|------------------|
|                           | Sept. 15,<br>1950 | Aug. 15,<br>1950 | Sept. 15,<br>1950 | Aug. 15,<br>1950 | Sept. 15,<br>1950 | Aug. 15,<br>1950 | Total                                |                  | Gas and electricity |                  | Sept. 15,<br>1950 | Aug. 15,<br>1950 | Sept. 15,<br>1950 | Aug. 15,<br>1950 |
|                           |                   |                  |                   |                  |                   |                  | Sept. 15,<br>1950                    | Aug. 15,<br>1950 | Sept. 15,<br>1950   | Aug. 15,<br>1950 |                   |                  |                   |                  |
| Average.....              | 208.5             | 209.0            | 190.5             | 185.9            | 124.8             | 124.6            | 141.8                                | 140.9            | 97.0                | 97.0             | 195.4             | 189.3            | 158.8             | 158.1            |
| Atlanta, Ga.....          | 211.6             | 212.3            | (1)               | 194.4            | 128.0             | 149.2            | 149.3                                | 83.3             | 83.4                | (1)              | 195.7             | (1)              | 161.7             |                  |
| Baltimore, Md.....        | 221.2             | 221.2            | 185.6             | (1)              | 120.6             | 153.1            | 152.0                                | 127.8            | 127.8               | 197.6            | (1)               | 159.4            | (1)               |                  |
| Birmingham, Ala.....      | 204.9             | 200.2            | 194.8             | (1)              | 108.3             | 134.8            | 134.8                                | 79.6             | 79.6                | 188.3            | 179.8             | 153.1            | 152.2             |                  |
| Boston, Mass.....         | 199.6             | 202.2            | 192.2             | 175.1            | 120.1             | 157.6            | 155.3                                | 116.7            | 116.6               | 186.3            | 186.2             | 155.3            | 154.9             |                  |
| Buffalo, N. Y.....        | 203.7             | 206.3            | (1)               | (1)              | 119.9             | 151.7            | 149.8                                | 110.0            | 110.0               | (1)              | (1)               | (1)              | (1)               |                  |
| Chicago, Ill.....         | 215.2             | 218.6            | 106.5             | 192.2            | 143.6             | 143.3            | 134.7                                | 83.5             | 83.5                | 179.9            | 171.3             | 160.8            | 160.1             |                  |
| Cincinnati, Ohio.....     | 213.3             | 213.2            | 190.0             | 184.6            | 116.7             | 116.5            | 140.2                                | 140.2            | 140.2               | 101.9            | 187.2             | 182.4            | 158.1             | 157.7            |
| Cleveland, Ohio.....      | 215.9             | 218.1            | (1)               | 186.2            | 129.8             | 148.9            | 147.9                                | 105.6            | 105.6               | 170.2            | (1)               | 170.2            | (1)               | 156.5            |
| Denver, Colo.....         | 205.5             | 210.9            | (1)               | (1)              | 112.9             | 112.9            | 60.2                                 | 60.2             | 60.2                | (1)              | (1)               | (1)              | (1)               |                  |
| Detroit, Mich.....        | 202.7             | 205.2            | 186.6             | 181.6            | (1)               | 130.5            | 133.2                                | 80.5             | 80.5                | 89.2             | 214.6             | 206.6            | 172.1             | 171.7            |
| Houston, Tex.....         | 220.7             | 219.2            | 207.8             | 197.3            | (2)               | 147.1            | 98.4                                 | 81.8             | 81.8                | 188.4            | 186.0             | 160.6            | 160.2             |                  |
| Indianapolis, Ind.....    | 211.4             | 211.6            | (1)               | (1)              | (2)               | 159.2            | 159.6                                | 86.6             | 86.6                | (1)              | (1)               | (1)              | (1)               |                  |
| Jacksonville, Fla.....    | 218.8             | 218.3            | 191.6             | (1)              | 144.7             | (2)              | 147.7                                | 147.6            | 100.5               | 100.5            | 192.3             | (1)              | 164.1             | (1)              |
| Kansas City, Mo.....      | 195.0             | 194.4            | (1)               | (1)              | (2)               | (2)              | 129.0                                | 128.8            | 67.2                | 66.8             | (1)               | (1)              | (1)               | (1)              |
| Los Angeles, Calif.....   | 202.2             | 203.8            | 183.8             | 181.3            | (2)               | 133.5            | 100.1                                | 95.5             | 95.5                | 190.0            | 185.3             | 155.8            | 154.2             |                  |
| Manchester, N. H.....     | 207.1             | 206.2            | (1)               | (1)              | (2)               | (2)              | 156.4                                | 152.2            | 97.6                | 95.7             | (1)               | (1)              | (1)               | (1)              |
| Memphis, Tenn.....        | 220.6             | 220.2            | 209.6             | (1)              | 133.1             | (2)              | 143.2                                | 140.3            | 77.0                | 77.0             | 178.0             | (1)              | 146.0             | (1)              |
| Milwaukee, Wis.....       | 210.3             | 212.6            | (1)               | 185.8            | (2)               | 139.8            | 145.2                                | 144.7            | 99.0                | 99.0             | (1)               | 190.6            | (1)               | 152.9            |
| Minneapolis, Minn.....    | 201.0             | 201.4            | 193.4             | (1)              | 136.8             | (2)              | 139.4                                | 139.0            | 78.9                | 78.9             | 185.8             | (1)              | 163.9             | (1)              |
| Mobile, Ala.....          | 211.2             | 212.4            | 191.4             | (1)              | 131.7             | (2)              | 129.8                                | 129.2            | 84.3                | 84.3             | 173.0             | (1)              | 147.7             | (1)              |
| New Orleans, La.....      | 223.3             | 225.6            | (1)               | 198.4            | (2)               | 117.3            | 113.1                                | 75.1             | 75.1                | 191.6            | (1)               | 146.2            |                   |                  |
| New York, N. Y.....       | 207.3             | 203.5            | 189.6             | 184.2            | (2)               | 109.0            | 142.8                                | 101.9            | 101.9               | 185.2            | 177.4             | 162.5            | 162.4             |                  |
| Norfolk, Va.....          | 215.9             | 217.3            | (1)               | 180.1            | (2)               | 124.2            | 159.5                                | 106.4            | 106.4               | (1)              | 190.5             | (1)              | 157.1             |                  |
| Philadelphia, Pa.....     | 209.5             | 204.1            | 187.1             | 181.7            | (2)               | 122.4            | 146.4                                | 145.2            | 104.2               | 104.2            | 203.5             | 196.4            | 154.0             | 153.6            |
| Pittsburgh, Pa.....       | 214.5             | 212.5            | 222.0             | 215.1            | (1)               | 122.9            | 138.8                                | 103.2            | 103.3               | 198.8            | 192.9             | 156.7            | 156.3             |                  |
| Portland, Maine.....      | 197.0             | 197.1            | 194.3             | (1)              | 115.9             | (2)              | 152.3                                | 149.3            | 105.7               | 105.6            | 188.9             | (1)              | 154.8             | (1)              |
| Portland, Ore.....        | 226.3             | 226.1            | (1)               | (1)              | (2)               | (2)              | 132.8                                | 132.7            | 60.9                | 93.8             | (1)               | (1)              | (1)               |                  |
| Richmond, Va.....         | 204.3             | 204.2            | (1)               | (1)              | (2)               | (2)              | 151.7                                | 147.0            | 109.4               | 109.4            | (1)               | (1)              | (1)               |                  |
| St. Louis, Mo.....        | 220.5             | 221.9            | 193.3             | (1)              | 123.5             | (2)              | 140.8                                | 132.3            | 88.4                | 88.4             | 177.9             | (1)              | 147.7             | (1)              |
| San Francisco, Calif..... | 218.6             | 219.9            | 185.0             | (1)              | 118.0             | (2)              | 86.8                                 | 86.8             | 76.5                | 76.5             | 170.9             | (1)              | 167.6             | (1)              |
| Savannah, Ga.....         | 219.3             | 221.6            | (1)               | (1)              | (2)               | (2)              | 153.6                                | 152.4            | 108.6               | 108.6            | (1)               | (1)              | (1)               |                  |
| Scranton, Pa.....         | 205.8             | 207.4            | (1)               | 194.8            | (2)               | 115.6            | 149.6                                | 98.3             | 98.3                | (1)              | 172.1             | (1)              | 146.8             |                  |
| Seattle, Wash.....        | 210.6             | 212.6            | (1)               | 184.9            | (2)               | 127.1            | 131.8                                | 131.5            | 92.5                | 91.7             | (1)               | 193.1            | (1)               | 163.0            |
| Washington, D. C.....     | 204.7             | 206.0            | (1)               | 209.6            | (2)               | 107.5            | 147.3                                | 146.0            | 105.5               | 105.5            | 199.5             | (1)              | 161.6             |                  |

<sup>1</sup> Prices of apparel, housefurnishings, and miscellaneous goods and services are obtained monthly in 10 cities and once every 3 months in 24 additional cities according to a staggered schedule.

<sup>2</sup> Rents are surveyed every 3 months in 34 large cities according to a staggered schedule.

<sup>3</sup> Corrected.

TABLE D-4: Indexes of Retail Prices of Foods,<sup>1</sup> by Group, for Selected Periods

[1935-39=100]

| Year and month     | All foods | Cereals and bakery products | Meats, poultry, and fish | Meats |               |       |       | Chickens | Fish  | Dairy products | Eggs  | Fruits and vegetables |       |        |       | Beverages | Fats and oils | Sugar and sweets |  |
|--------------------|-----------|-----------------------------|--------------------------|-------|---------------|-------|-------|----------|-------|----------------|-------|-----------------------|-------|--------|-------|-----------|---------------|------------------|--|
|                    |           |                             |                          | Total | Beef and veal | Fork  | Lamb  |          |       |                |       | Total                 | Fresh | Canned | Dried |           |               |                  |  |
|                    |           |                             |                          | i     |               |       |       |          |       |                |       |                       |       |        |       |           |               |                  |  |
| 1923: Average..... | 124.0     | 105.5                       | 101.2                    | -     | -             | -     | -     | 129.4    | 136.1 | 160.5          | 173.6 | 124.8                 | 175.4 | 131.5  | 126.2 | 175.4     |               |                  |  |
| 1926: Average..... | 137.1     | 118.7                       | 117.8                    | -     | -             | -     | -     | 127.4    | 141.7 | 210.8          | 226.2 | 122.9                 | 152.4 | 170.4  | 145.0 | 120.0     |               |                  |  |
| 1929: Average..... | 123.5     | 107.6                       | 127.1                    | -     | -             | -     | -     | 131.1    | 143.8 | 160.0          | 173.5 | 124.3                 | 171.0 | 164.8  | 127.2 | 114.3     |               |                  |  |
| 1932: Average..... | 86.5      | 82.6                        | 79.0                     | -     | -             | -     | -     | 84.4     | 82.3  | 103.5          | 105.9 | 91.1                  | 91.2  | 112.6  | 71.1  | 89.6      |               |                  |  |
| 1939: Average..... | 95.2      | 94.5                        | 96.6                     | 101.1 | 88.9          | 99.5  | 93.8  | 101.0    | 95.9  | 91.0           | 84.5  | 95.1                  | 92.3  | 93.3   | 95.5  | 87.7      | 100.6         |                  |  |
| August.....        | 93.5      | 93.4                        | 95.7                     | 95.4  | 96.6          | 88.0  | 98.8  | 94.6     | 99.6  | 93.1           | 90.7  | 92.4                  | 91.6  | 90.3   | 94.9  | 84.5      | 95.6          |                  |  |
| 1940: Average..... | 96.6      | 96.8                        | 95.8                     | 94.4  | 102.8         | 81.1  | 99.7  | 94.8     | 110.6 | 101.4          | 93.8  | 96.5                  | 97.3  | 92.4   | 100.6 | 92.5      | 82.2          | 98.8             |  |
| 1941: Average..... | 105.5     | 97.9                        | 107.5                    | 106.5 | 110.8         | 100.1 | 106.6 | 102.1    | 124.5 | 112.0          | 112.2 | 103.2                 | 104.2 | 97.9   | 106.7 | 101.5     | 94.0          | 106.4            |  |
| December.....      | 113.1     | 102.5                       | 111.1                    | 109.7 | 114.4         | 103.2 | 108.1 | 100.5    | 138.9 | 120.5          | 138.1 | 110.5                 | 106.3 | 118.3  | 114.1 | 108.5     | 114.4         |                  |  |
| 1942: Average..... | 123.9     | 105.1                       | 126.0                    | 122.5 | 123.6         | 120.4 | 124.1 | 122.6    | 163.0 | 125.4          | 136.5 | 130.8                 | 132.8 | 121.6  | 136.3 | 122.1     | 119.6         | 126.8            |  |
| 1943: Average..... | 138.0     | 107.6                       | 133.8                    | 124.2 | 124.7         | 119.9 | 136.9 | 146.1    | 206.5 | 134.6          | 161.9 | 168.8                 | 178.0 | 130.6  | 158.9 | 124.8     | 126.1         | 127.1            |  |
| 1944: Average..... | 136.1     | 108.4                       | 129.2                    | 117.9 | 118.7         | 112.2 | 134.5 | 151.0    | 207.6 | 133.6          | 153.9 | 168.2                 | 177.2 | 129.5  | 164.5 | 124.3     | 123.3         | 129.8            |  |
| 1945: Average..... | 139.1     | 109.0                       | 131.2                    | 118.0 | 118.4         | 112.6 | 136.6 | 154.4    | 217.1 | 133.9          | 164.4 | 177.1                 | 188.2 | 130.2  | 168.2 | 124.7     | 124.0         | 126.5            |  |
| August.....        | 140.9     | 109.1                       | 131.8                    | 118.1 | 118.5         | 112.6 | 136.4 | 157.3    | 217.8 | 133.4          | 171.4 | 183.5                 | 196.2 | 130.3  | 168.6 | 124.7     | 124.0         | 126.6            |  |
| 1946: Average..... | 159.6     | 125.0                       | 161.3                    | 150.8 | 150.5         | 148.2 | 163.9 | 174.0    | 236.2 | 165.1          | 168.8 | 182.4                 | 190.7 | 140.8  | 190.4 | 139.6     | 152.1         | 143.9            |  |
| June.....          | 145.6     | 122.1                       | 134.0                    | 120.4 | 121.2         | 114.3 | 139.0 | 176.2    | 219.7 | 147.8          | 147.1 | 183.5                 | 196.7 | 127.5  | 172.5 | 125.4     | 126.4         | 136.2            |  |
| November.....      | 187.7     | 140.6                       | 203.6                    | 197.9 | 191.0         | 207.1 | 205.4 | 188.9    | 265.0 | 198.5          | 201.6 | 184.5                 | 182.3 | 167.7  | 251.6 | 167.8     | 244.4         | 170.8            |  |
| 1947: Average..... | 193.8     | 155.4                       | 217.1                    | 214.7 | 213.6         | 215.9 | 220.1 | 183.2    | 271.4 | 186.2          | 200.8 | 199.4                 | 201.5 | 166.2  | 263.5 | 186.8     | 197.5         | 180.0            |  |
| 1948: Average..... | 210.2     | 170.9                       | 246.5                    | 243.9 | 258.5         | 222.5 | 246.8 | 203.2    | 312.8 | 204.8          | 208.7 | 205.2                 | 212.4 | 158.0  | 246.8 | 205.0     | 195.5         | 174.0            |  |
| 1949: Average..... | 201.9     | 169.7                       | 233.4                    | 229.3 | 241.3         | 205.9 | 251.7 | 191.5    | 314.1 | 186.7          | 201.2 | 208.1                 | 218.8 | 152.9  | 227.4 | 220.7     | 148.4         | 176.4            |  |
| September.....     | 204.2     | 169.7                       | 243.6                    | 242.0 | 249.9         | 227.6 | 254.7 | 192.5    | 311.9 | 185.3          | 222.6 | 198.8                 | 209.0 | 148.0  | 230.1 | 211.0     | 148.0         | 176.8            |  |
| October.....       | 200.6     | 169.1                       | 235.1                    | 233.1 | 248.2         | 207.7 | 246.1 | 184.6    | 306.8 | 186.7          | 227.8 | 194.5                 | 202.3 | 147.0  | 228.5 | 213.8     | 144.5         | 177.8            |  |
| November.....      | 200.8     | 169.2                       | 229.1                    | 226.4 | 248.5         | 189.7 | 242.0 | 184.5    | 300.6 | 186.4          | 207.8 | 202.0                 | 212.7 | 146.2  | 224.7 | 203.3     | 139.7         | 178.0            |  |
| December.....      | 197.3     | 169.2                       | 223.2                    | 220.0 | 245.2         | 178.3 | 236.1 | 179.5    | 299.0 | 186.2          | 178.0 | 208.0                 | 145.1 | 224.3  | 202.5 | 196.7     | 178.8         |                  |  |
| 1950: January..... | 196.0     | 169.0                       | 219.4                    | 217.9 | 242.3         | 177.3 | 234.3 | 158.9    | 301.9 | 184.2          | 152.3 | 204.8                 | 217.2 | 148.3  | 223.9 | 209.5     | 135.2         | 178.9            |  |
| February.....      | 194.8     | 169.0                       | 221.6                    | 220.5 | 241.9         | 184.0 | 238.6 | 165.1    | 293.7 | 183.6          | 141.1 | 199.1                 | 210.0 | 142.6  | 222.4 | 204.5     | 133.5         | 178.0            |  |
| March.....         | 195.0     | 169.0                       | 227.3                    | 224.5 | 244.5         | 188.9 | 246.7 | 180.4    | 302.5 | 182.4          | 150.2 | 195.2                 | 204.8 | 142.8  | 222.5 | 211.0     | 134.2         | 176.9            |  |
| April.....         | 196.6     | 169.3                       | 227.9                    | 224.8 | 245.8         | 185.9 | 252.1 | 187.5    | 297.4 | 179.3          | 150.5 | 200.5                 | 211.8 | 142.6  | 223.4 | 207.6     | 135.2         | 175.2            |  |
| May.....           | 200.3     | 169.6                       | 239.5                    | 230.9 | 260.0         | 204.2 | 262.7 | 183.8    | 293.2 | 177.8          | 144.4 | 206.5                 | 219.6 | 142.6  | 224.7 | 207.3     | 147.6         |                  |  |
| June.....          | 204.6     | 169.6                       | 247.9                    | 248.4 | 270.5         | 210.4 | 268.6 | 184.6    | 295.3 | 177.1          | 149.1 | 217.2                 | 233.4 | 143.2  | 225.1 | 205.6     | 139.6         | 174.3            |  |
| July.....          | 210.0     | 171.3                       | 256.0                    | 259.0 | 278.7         | 227.7 | 269.3 | 189.4    | 296.6 | 179.5          | 164.3 | 220.8                 | 238.3 | 143.0  | 224.6 | 204.4     | 141.3         | 176.0            |  |
| August.....        | 209.0     | 175.5                       | 257.5                    | 258.5 | 279.4         | 225.7 | 267.5 | 202.2    | 302.5 | 182.7          | 183.1 | 194.7                 | 202.9 | 146.0  | 228.5 | 228.8     | 158.9         | 187.7            |  |
| September.....     | 208.5     | 176.5                       | 257.8                    | 258.5 | 277.6         | 229.2 | 264.9 | 199.2    | 311.4 | 185.2          | 193.0 | 184.6                 | 188.9 | 148.0  | 231.8 | 236.7     | 159.0         | 187.5            |  |

<sup>1</sup> The Bureau of Labor Statistics retail food prices are obtained monthly through the first three days of the week containing the fifteenth of the month, through voluntary reports from chain and independent retail food dealers. Articles included are selected to represent food sales to moderate-income families.

The indexes, based on the retail prices of 50 foods, are computed by the fixed-base-weighted-aggregate method, using weights representing (1) relative importance of chain and independent store sales, in computing city average prices; (2) food purchases by families of wage earners and moderate-

income workers, in computing city indexes; and (3) population weights, in combining city aggregates in order to derive average prices and indexes for all cities combined.

Indexes of retail food prices in 56 large cities combined, by commodity groups, for the years 1923 through 1948 (1935-39=100), may be found in Bulletin No. 965, "Retail Prices of Food, 1948," Bureau of Labor Statistics, U. S. Department of Labor, table 3, p. 7. Mimeographed tables of the same data, by months, January 1935 to date, are available upon request.

TABLE D-5: Indexes of Retail Prices of Foods, by City

(1935-39=100)

| City                            | Sept.<br>1950 | Aug.<br>1950 | July<br>1950 | June<br>1950 | May<br>1950 | Apr.<br>1950 | Mar.<br>1950 | Feb.<br>1950 | Jan.<br>1950 | Dec.<br>1949 | Nov.<br>1949 | Oct.<br>1949 | Sept.<br>1949 | June<br>1946 | Aug.<br>1939 |
|---------------------------------|---------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|
| United States                   | 208.5         | 209.0        | 210.0        | 204.6        | 200.3       | 196.6        | 196.0        | 194.8        | 196.0        | 197.3        | 200.8        | 200.6        | 204.2         | 145.6        | 93.5         |
| Atlanta, Ga.                    | 211.6         | 212.3        | 205.0        | 197.5        | 194.7       | 192.6        | 193.8        | 190.0        | 192.5        | 194.7        | 197.7        | 199.9        | 206.9         | 141.0        | 92.5         |
| Baltimore, Md.                  | 221.1         | 221.2        | 223.9        | 218.7        | 211.0       | 206.1        | 206.5        | 205.0        | 206.6        | 208.1        | 211.9        | 211.5        | 216.4         | 152.4        | 94.7         |
| Birmingham, Ala.                | 206.9         | 204.9        | 201.9        | 195.0        | 193.1       | 189.6        | 189.4        | 186.4        | 190.5        | 192.7        | 197.2        | 201.9        | 147.7         | 90.7         |              |
| Boston, Mass.                   | 198.6         | 202.2        | 204.2        | 198.4        | 191.7       | 198.4        | 197.7        | 184.8        | 186.5        | 189.5        | 193.2        | 193.7        | 197.1         | 138.0        | 93.5         |
| Bridgeport, Conn.               | 206.9         | 210.0        | 212.6        | 206.8        | 201.8       | 197.8        | 197.0        | 192.5        | 195.5        | 197.0        | 200.3        | 198.2        | 204.8         | 139.1        | 93.2         |
| Buffalo, N. Y.                  | 203.7         | 206.3        | 208.0        | 203.2        | 195.9       | 193.3        | 193.0        | 186.6        | 189.3        | 189.3        | 193.2        | 195.1        | 198.2         | 140.2        | 94.5         |
| Butte, Mont.                    | 212.6         | 212.5        | 209.1        | 206.9        | 201.3       | 198.5        | 195.9        | 194.8        | 194.1        | 194.8        | 199.8        | 200.2        | 201.4         | 139.7        | 94.1         |
| Cedar Rapids, Iowa <sup>1</sup> | 221.3         | 222.3        | 215.6        | 212.1        | 208.6       | 202.3        | 201.9        | 201.0        | 200.3        | 202.3        | 203.4        | 201.2        | 205.2         | 145.2        |              |
| Charleston, S. C.               | 198.6         | 190.3        | 193.5        | 189.4        | 186.7       | 185.2        | 186.1        | 183.3        | 185.3        | 187.9        | 189.2        | 190.5        | 193.0         | 140.8        | 95.1         |
| Chicago, Ill.                   | 215.2         | 218.6        | 218.0        | 211.1        | 208.2       | 201.5        | 201.5        | 198.6        | 197.9        | 202.3        | 208.3        | 206.5        | 212.1         | 142.8        | 92.3         |
| Cincinnati, Ohio                | 213.3         | 213.2        | 212.9        | 206.9        | 202.9       | 196.7        | 197.9        | 196.8        | 197.4        | 197.3        | 198.7        | 199.7        | 205.4         | 141.4        | 90.4         |
| Cleveland, Ohio                 | 215.9         | 218.1        | 219.4        | 213.7        | 206.3       | 203.1        | 201.6        | 201.8        | 202.2        | 203.2        | 204.0        | 209.2        | 211.1         | 149.3        | 93.6         |
| Columbus, Ohio                  | 193.4         | 194.2        | 192.9        | 186.3        | 183.3       | 179.1        | 179.0        | 177.7        | 177.2        | 179.3        | 180.8        | 183.6        | 187.9         | 135.4        | 88.1         |
| Dallas, Tex.                    | 214.5         | 213.8        | 207.9        | 202.0        | 199.8       | 196.3        | 196.3        | 197.6        | 198.4        | 201.9        | 205.0        | 204.8        | 207.0         | 142.4        | 91.7         |
| Denver, Colo.                   | 205.5         | 210.9        | 208.6        | 207.0        | 203.8       | 199.6        | 198.9        | 196.8        | 196.2        | 196.0        | 200.2        | 200.0        | 202.2         | 145.3        | 92.7         |
| Detroit, Mich.                  | 202.7         | 205.2        | 210.6        | 205.2        | 198.7       | 194.2        | 190.8        | 190.4        | 191.8        | 193.4        | 195.5        | 192.4        | 197.4         | 145.4        | 90.6         |
| Fall River, Mass.               | 204.0         | 205.8        | 210.0        | 203.4        | 197.2       | 193.7        | 192.3        | 190.7        | 191.9        | 193.8        | 198.1        | 198.7        | 201.7         | 138.1        | 95.4         |
| Houston, Tex.                   | 220.7         | 219.2        | 212.1        | 207.3        | 205.5       | 208.3        | 205.8        | 207.7        | 208.3        | 205.6        | 212.7        | 212.4        | 212.2         | 144.0        | 87.8         |
| Indianapolis, Ind.              | 211.4         | 211.6        | 205.5        | 197.5        | 197.1       | 192.6        | 193.0        | 191.2        | 192.3        | 194.3        | 196.9        | 198.9        | 200.5         | 141.5        | 90.7         |
| Jackson, Miss. <sup>1</sup>     | 212.5         | 212.2        | 206.5        | 200.0        | 199.7       | 198.0        | 196.7        | 198.1        | 199.9        | 204.5        | 206.5        | 204.4        | 206.0         | 150.6        |              |
| Jacksonville, Fla.              | 218.8         | 218.3        | 213.5        | 207.0        | 202.7       | 200.0        | 201.2        | 198.7        | 200.7        | 202.8        | 206.9        | 205.9        | 208.5         | 150.8        | 95.8         |
| Kansas City, Mo.                | 195.0         | 194.4        | 196.1        | 187.3        | 184.0       | 183.2        | 182.7        | 183.6        | 184.5        | 186.9        | 186.0        | 190.7        | 134.8         | 91.8         |              |
| Knoxville, Tenn. <sup>1</sup>   | 237.5         | 238.8        | 228.8        | 223.7        | 220.5       | 217.5        | 217.3        | 216.1        | 218.7        | 220.0        | 223.3        | 223.8        | 227.3         | 165.6        |              |
| Little Rock, Ark.               | 211.7         | 211.9        | 205.5        | 201.0        | 197.4       | 194.6        | 194.5        | 194.5        | 196.4        | 197.0        | 198.8        | 198.2        | 201.4         | 139.1        | 94.0         |
| Los Angeles, Calif.             | 202.2         | 203.8        | 204.1        | 200.3        | 199.8       | 200.6        | 200.7        | 197.7        | 198.3        | 201.4        | 197.2        | 200.5        | 200.6         | 202.8        | 154.8        |
| Louisville, Ky.                 | 199.9         | 199.2        | 199.8        | 194.1        | 188.9       | 183.4        | 184.2        | 183.1        | 183.7        | 185.0        | 188.3        | 189.7        | 194.3         | 135.6        | 92.1         |
| Manchester, N. H.               | 207.1         | 206.2        | 207.1        | 200.9        | 197.5       | 193.1        | 192.9        | 191.6        | 191.6        | 195.5        | 197.2        | 203.3        | 191.4         | 94.9         |              |
| Memphis, Tenn.                  | 220.6         | 220.2        | 212.0        | 206.4        | 204.3       | 201.3        | 202.7        | 202.2        | 203.1        | 206.9        | 210.2        | 209.7        | 213.0         | 153.6        | 89.7         |
| Milwaukee, Wis.                 | 210.3         | 212.6        | 213.8        | 207.6        | 203.9       | 197.6        | 198.2        | 196.6        | 196.3        | 196.1        | 199.3        | 199.4        | 203.7         | 144.3        | 91.1         |
| Minneapolis, Minn.              | 201.0         | 201.4        | 198.3        | 194.9        | 192.2       | 187.9        | 188.1        | 188.3        | 189.1        | 188.7        | 192.0        | 191.1        | 192.8         | 137.5        | 95.0         |
| Mobile, Ala.                    | 211.2         | 212.4        | 205.3        | 201.1        | 199.5       | 191.1        | 196.8        | 194.6        | 191.3        | 193.1        | 203.6        | 204.8        | 207.0         | 149.8        | 95.5         |
| Newark, N. J.                   | 201.8         | 202.2        | 206.5        | 203.2        | 197.2       | 193.4        | 192.0        | 190.3        | 192.4        | 196.1        | 198.6        | 201.2        | 147.9         | 95.6         |              |
| New Haven, Conn.                | 202.4         | 203.2        | 206.3        | 201.3        | 195.7       | 191.5        | 191.1        | 189.6        | 190.6        | 193.1        | 198.4        | 197.9        | 198.3         | 140.4        | 93.7         |
| New Orleans, La.                | 223.3         | 225.6        | 218.3        | 211.6        | 206.3       | 209.3        | 207.9        | 206.9        | 209.6        | 211.7        | 213.2        | 210.0        | 215.5         | 157.6        | 97.6         |
| New York, N. Y.                 | 207.3         | 203.5        | 209.9        | 204.3        | 200.1       | 197.1        | 195.7        | 195.3        | 195.9        | 198.8        | 201.5        | 201.0        | 205.8         | 149.2        | 95.8         |
| Norfolk, Va.                    | 215.9         | 217.3        | 211.7        | 207.0        | 202.2       | 197.0        | 197.9        | 195.0        | 198.4        | 198.0        | 200.8        | 203.5        | 208.9         | 146.0        | 93.6         |
| Omaha, Nebr.                    | 203.3         | 204.4        | 201.6        | 199.1        | 197.3       | 190.8        | 190.4        | 188.9        | 188.9        | 190.9        | 194.7        | 195.7        | 197.9         | 139.5        | 92.3         |
| Pearl, Ill.                     | 225.5         | 226.8        | 222.6        | 220.4        | 214.3       | 208.8        | 208.2        | 206.2        | 206.9        | 205.9        | 206.5        | 210.0        | 211.9         | 214.4        | 93.4         |
| Philadelphia, Pa.               | 206.5         | 206.1        | 205.9        | 201.5        | 194.6       | 191.5        | 191.9        | 189.5        | 191.3        | 193.5        | 196.8        | 197.9        | 199.9         | 143.5        | 93.0         |
| Pittsburgh, Pa.                 | 213.0         | 212.5        | 213.2        | 206.1        | 205.9       | 200.5        | 200.5        | 198.5        | 198.9        | 200.8        | 205.4        | 204.8        | 208.0         | 147.1        | 92.5         |
| Portland, Maine                 | 197.0         | 197.1        | 199.1        | 193.5        | 189.7       | 187.8        | 189.8        | 186.7        | 187.3        | 187.2        | 188.4        | 189.7        | 193.8         | 138.4        | 95.9         |
| Portland, Oreg.                 | 226.3         | 226.1        | 225.0        | 219.4        | 217.2       | 213.5        | 211.8        | 210.4        | 210.3        | 207.8        | 209.7        | 211.1        | 158.4         | 96.1         |              |
| Providence, R. I.               | 215.1         | 215.7        | 216.5        | 210.6        | 204.9       | 200.2        | 199.4        | 197.4        | 198.3        | 201.3        | 205.2        | 207.0        | 210.9         | 144.9        | 93.7         |
| Richmond, Va.                   | 204.3         | 204.2        | 201.7        | 197.0        | 192.0       | 188.2        | 190.5        | 188.5        | 188.2        | 191.3        | 193.5        | 196.8        | 202.4         | 138.4        | 92.2         |
| Rochester, N. Y.                | 209.5         | 208.0        | 204.5        | 198.8        | 195.1       | 189.6        | 191.0        | 190.0        | 190.7        | 192.0        | 192.0        | 193.5        | 193.7         | 142.5        | 92.3         |
| St. Louis, Mo.                  | 220.5         | 221.9        | 223.8        | 212.4        | 208.4       | 202.5        | 204.5        | 202.9        | 204.6        | 206.2        | 208.6        | 207.5        | 211.6         | 147.4        | 93.8         |
| St. Paul, Minn.                 | 195.8         | 195.8        | 194.3        | 192.7        | 190.4       | 186.9        | 187.5        | 186.8        | 186.4        | 186.0        | 187.9        | 187.5        | 190.3         | 137.3        | 94.3         |
| Salt Lake City, Utah            | 206.3         | 207.9        | 201.3        | 201.8        | 198.4       | 195.1        | 196.5        | 194.9        | 198.2        | 196.6        | 202.0        | 202.6        | 203.1         | 141.7        | 94.6         |
| San Francisco, Calif.           | 218.6         | 219.9        | 217.1        | 214.3        | 213.2       | 212.9        | 211.6        | 212.2        | 214.3        | 210.1        | 212.9        | 213.1        | 213.7         | 135.5        | 93.8         |
| Savannah, Ga.                   | 219.3         | 221.6        | 214.8        | 209.6        | 205.5       | 200.5        | 200.9        | 197.1        | 197.0        | 201.8        | 207.1        | 208.2        | 218.3         | 158.5        | 96.7         |
| Seranton, Pa.                   | 205.8         | 207.4        | 211.0        | 205.1        | 198.6       | 192.6        | 193.5        | 191.0        | 192.4        | 193.2        | 198.1        | 200.9        | 206.3         | 144.0        | 92.1         |
| Seattle, Wash.                  | 210.6         | 212.6        | 213.3        | 208.6        | 206.8       | 205.2        | 204.2        | 205.6        | 205.8        | 203.1        | 207.4        | 205.0        | 209.0         | 151.6        | 94.5         |
| Springfield, Ill.               | 220.0         | 222.6        | 223.5        | 214.3        | 209.0       | 202.0        | 201.5        | 201.4        | 200.9        | 201.6        | 204.4        | 204.7        | 209.6         | 150.1        | 94.1         |
| Washington, D. C.               | 204.7         | 206.0        | 207.0        | 204.1        | 198.4       | 193.3        | 193.6        | 194.4        | 194.6        | 196.1        | 202.6        | 200.1        | 203.8         | 145.5        | 94.1         |
| Wichita, Kan.                   | 217.0         | 220.2        | 216.6        | 210.4        | 207.6       | 204.2        | 206.8        | 205.1        | 205.9        | 207.8        | 210.9        | 211.2        | 211.8         | 154.4        |              |
| Winston-Salem, N. C.            | 207.2         | 206.3        | 200.7        | 197.5        | 192.9       | 191.8        | 191.8        | 188.6        | 191.0        | 196.3        | 197.8        | 197.5        | 200.6         | 145.3        |              |

<sup>1</sup> June 1940=100.<sup>2</sup> Estimated index based on half the usual sample of reports. Remaining reports lost in the mails. Index for December 15 reflects the correct level of food prices for New Haven.

TABLE D-6: Average Retail Prices and Indexes of Selected Foods

| Commodity  | Aver.<br>age<br>price<br>Sept.<br>1950 | Indexes 1935-39=100 |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
|--|--|---------------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|------|
|  |  | Sept.<br>1950       | Aug.<br>1950 | July<br>1950 | June<br>1950 | May<br>1950 | Apr.<br>1950 | Mar.<br>1950 | Feb.<br>1950 | Jan.<br>1950 | Dec.<br>1949 | Nov.<br>1949 | Oct.<br>1949 | Sept.<br>1949 | Aug.<br>1939 |      |
| Cereals and bakery products:                       |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Cereals:   | Cents                                  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Flour, wheat.....5 pounds.                         | 49.7                                   | 192.8               | 192.5        | 190.6        | 190.4        | 190.1       | 189.2        | 188.2        | 187.7        | 187.3        | 186.6        | 186.3        | 184.8        | 184.2         | 83.1         |      |
| Corn flakes.....11 ounces.                         | 30.2                                   | 182.5               | 177.0        | 176.9        | 176.3        | 176.7       | 176.6        | 176.7        | 177.3        | 177.8        | 177.9        | 177.7        | 177.8        | 177.8         | 92.7         |      |
| Corn meal.....pound.                               | 9.7                                    | 203.3               | 202.9        | 188.5        | 186.0        | 178.7       | 175.9        | 175.8        | 175.8        | 177.7        | 178.2        | 178.2        | 179.8        | 182.2         | 90.7         |      |
| Rice <sup>1</sup> .....do.                         | 17.1                                   | 96.2                | 95.1         | 91.9         | 92.8         | 92.5        | 92.2         | 92.4         | 92.2         | 93.5         | 94.1         | 94.4         | 103.3        | (*)           |              |      |
| Rolled oats <sup>1</sup> .....20 ounces.           | 16.2                                   | 146.6               | 145.9        | 145.6        | 145.5        | 145.8       | 145.8        | 146.2        | 146.2        | 146.4        | 146.7        | 147.4        | 148.0        | 148.1         | (*)          |      |
| Bakery products:                                   |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Bread, white.....pound.                            | 14.6                                   | 171.3               | 171.0        | 166.1        | 163.9        | 164.1       | 164.1        | 163.9        | 163.9        | 163.8        | 164.0        | 164.1        | 164.1        | 164.2         | 93.2         |      |
| Vanilla cookies.....do.                            | 47.1                                   | 201.4               | 196.8        | 192.8        | 191.1        | 191.1       | 189.6        | 189.6        | 190.0        | 189.9        | 190.6        | 190.1        | 193.2        | (*)           |              |      |
| Meats, poultry, and fish:                          |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Meats:   |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Beef:  |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Round steak.....do.                                | 97.2                                   | 287.8               | 263.8        | 297.1        | 268.7        | 273.5       | 256.1        | 252.9        | 249.2        | 252.1        | 257.5        | 262.2        | 260.8        | 269.2         | 102.7        |      |
| Rib roast.....do.                                  | 77.8                                   | 270.8               | 272.5        | 264.4        | 255.2        | 241.4       | 239.4        | 237.0        | 238.5        | 242.1        | 244.2        | 243.7        | 241.7        | 97.4          |              |      |
| Chuck roast.....do.                                | 65.6                                   | 292.6               | 292.2        | 281.1        | 265.1        | 249.0       | 248.9        | 245.7        | 245.1        | 244.5        | 260.3        | 261.3        | 253.8        | 97.1          |              |      |
| Hamburger <sup>2</sup> .....do.                    | 60.8                                   | 196.6               | 197.0        | 188.8        | 181.5        | 176.1       | 167.4        | 166.2        | 164.6        | 165.7        | 166.8        | 166.0        | 168.0        | (*)           |              |      |
| Venison:   |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Cutlets.....do.                                    | 111.9                                  | 280.4               | 277.8        | 263.3        | 271.3        | 264.8       | 258.4        | 262.1        | 261.4        | 258.8        | 248.3        | 250.8        | 252.1        | 254.6         | 101.1        |      |
| Pork:  |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Chops.....do.                                      | 86.4                                   | 262.1               | 254.0        | 270.3        | 244.8        | 239.4       | 207.3        | 210.6        | 201.4        | 186.9        | 182.7        | 201.6        | 228.3        | 264.0         | 90.8         |      |
| Bacon, sliced.....do.                              | 70.2                                   | 184.5               | 181.9        | 171.6        | 162.1        | 157.5       | 154.2        | 155.0        | 154.6        | 154.7        | 160.8        | 170.7        | 183.9        | 177.6         | 80.9         |      |
| Ham, whole.....do.                                 | 68.7                                   | 233.9               | 236.7        | 230.4        | 216.0        | 199.5       | 198.0        | 195.2        | 192.5        | 194.2        | 195.1        | 205.8        | 233.0        | 92.7          |              |      |
| Salt pork.....do.                                  | 37.9                                   | 181.7               | 178.4        | 164.5        | 160.3        | 152.5       | 148.3        | 152.2        | 149.9        | 153.2        | 169.0        | 181.8        | 176.1        | 171.3         | 90.0         |      |
| Lamb:  |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Leg.....do.  | 76.3                                   | 269.1               | 271.7        | 273.6        | 272.9        | 266.9       | 256.2        | 250.6        | 242.4        | 238.1        | 239.9        | 245.8        | 250.1        | 258.7         | 95.7         |      |
| Poultry:   |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Frying chickens: <sup>3</sup>                      |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| New York dressed <sup>4</sup> .....do.             | 50.3                                   | —                   | —            | —            | —            | —           | —            | —            | —            | —            | —            | —            | —            | —             | (*)          |      |
| Dressed and drawn <sup>4</sup> .....do.            | 64.4                                   | —                   | —            | —            | —            | —           | —            | —            | —            | —            | —            | —            | —            | —             | (*)          |      |
| Fish:  |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Fish (fresh, frozen) <sup>5</sup> .....do.         | (*)                                    | 283.4               | 276.4        | 275.8        | 274.1        | 270.6       | 276.0        | 281.2        | 265.1        | 272.2        | 267.1        | 266.4        | 268.4        | 260.1         | 98.8         |      |
| Salmon, pink <sup>6</sup> .....16-ounce can.       | 47.1                                   | 359.8               | 337.5        | 325.5        | 325.3        | 327.8       | 328.2        | 332.1        | 346.6        | 355.9        | 359.8        | 367.9        | 365.7        | 428.8         | 97.4         |      |
| Dairy products:                                    |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Butter.....pound.                                  | 72.3                                   | 198.8               | 197.8        | 195.5        | 195.4        | 196.0       | 197.5        | 200.6        | 201.5        | 201.8        | 201.9        | 201.3        | 200.4        | 200.1         | 84.0         |      |
| Cheese.....do.                                     | 51.8                                   | 229.3               | 228.3        | 226.3        | 226.2        | 227.7       | 228.9        | 230.1        | 230.7        | 231.1        | 232.2        | 232.4        | 232.2        | 230.2         | 92.3         |      |
| Milk, fresh (delivered).....quart.                 | 20.9                                   | 170.4               | 167.4        | 164.1        | 161.1        | 160.5       | 161.7        | 155.4        | 166.9        | 167.9        | 171.1        | 171.3        | 172.3        | 169.8         | 97.1         |      |
| Milk, fresh (grocery).....do.                      | 19.6                                   | 174.0               | 169.8        | 165.5        | 161.6        | 162.5       | 168.4        | 169.7        | 170.2        | 173.4        | 174.2        | 175.6        | 174.1        | 96.3          |              |      |
| Milk, evaporated.....14-ounce can.                 | 12.9                                   | 180.8               | 177.6        | 173.8        | 174.1        | 174.1       | 174.4        | 174.9        | 174.8        | 175.1        | 175.7        | 178.1        | 176.3        | 177.3         | 93.9         |      |
| Eggs: Eggs, fresh.....dozen.                       | 66.8                                   | 193.0               | 183.1        | 164.3        | 149.1        | 144.4       | 150.6        | 150.2        | 141.1        | 152.3        | 178.0        | 207.8        | 227.8        | 232.6         | 90.7         |      |
| Fruits and vegetables:                             |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Fresh fruits:                                      |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Apples.....pound.                                  | 12.1                                   | 231.1               | 240.7        | 347.0        | 305.7        | 260.0       | 221.9        | 206.6        | 187.7        | 178.6        | 174.9        | 165.8        | 165.0        | 184.7         | 81.6         |      |
| Bananas.....do.                                    | 14.9                                   | 247.1               | 263.2        | 268.4        | 272.2        | 274.8       | 274.8        | 278.5        | 278.3        | 273.1        | 273.9        | 277.9        | 273.9        | 271.4         | 97.3         |      |
| Oranges, size 200.....d dozen.                     | 19.3                                   | 173.9               | 181.8        | 172.6        | 167.9        | 173.2       | 177.1        | 176.3        | 166.5        | 146.8        | 167.3        | 195.3        | 183.4        | 196.9         |              |      |
| Fresh vegetables:                                  |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Beans, green.....pound.                            | 17.1                                   | 150.1               | 142.6        | 164.3        | 159.3        | 211.4       | 201.8        | 180.4        | 219.2        | 274.9        | 245.9        | 198.1        | 137.4        | 156.4         | 61.7         |      |
| Cabbage.....do.                                    | 5.0                                    | 131.0               | 157.1        | 173.0        | 172.4        | 167.4       | 178.2        | 169.6        | 173.9        | 164.0        | 143.0        | 147.9        | 168.1        | 103.2         |              |      |
| Carrots.....bunch.                                 | 9.7                                    | 179.4               | 180.2        | 195.2        | 181.1        | 178.3       | 175.5        | 177.0        | 184.3        | 202.6        | 204.8        | 210.9        | 202.0        | 197.0         | 84.9         |      |
| Lettuce.....head.                                  | 12.9                                   | 155.7               | 151.7        | 140.7        | 167.5        | 168.5       | 158.8        | 155.8        | 170.9        | 220.1        | 183.3        | 222.9        | 199.7        | 224.7         | 97.6         |      |
| Onions.....pound.                                  | 6.2                                    | 148.7               | 174.8        | 197.0        | 186.3        | 161.2       | 143.8        | 155.5        | 184.8        | 216.9        | 226.9        | 204.9        | 191.9        | 179.3         | 86.8         |      |
| Potatoes.....15 pounds.                            | 64.9                                   | 179.9               | 204.2        | 217.4        | 236.0        | 208.9       | 199.5        | 195.4        | 195.6        | 196.5        | 196.3        | 194.1        | 196.0        | 208.4         | 91.9         |      |
| Spinach.....pound.                                 | (10)                                   | (10)                | (10)         | (10)         | (10)         | (10)        | (10)         | (10)         | (10)         | (10)         | (10)         | (10)         | (10)         | (10)          | 206.8        |      |
| Sweetpotatoes.....do.                              | 9.5                                    | 183.6               | 216.0        | 196.4        | 207.4        | 218.5       | 210.2        | 209.5        | 205.8        | 205.6        | 195.8        | 182.6        | 183.0        | 206.1         | 115.7        |      |
| Tomatoes <sup>7</sup> .....do.                     | 12.6                                   | 82.0                | 217.0        | 212.9        | 153.8        | 177.2       | 141.4        | 147.4        | 165.3        | 175.4        | 168.8        | \$100.0      | (*)          | (*)           |              |      |
| Canned fruits:                                     |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Peaches.....No. 2 can.                             | 30.5                                   | 158.4               | 151.4        | 142.4        | 140.0        | 138.4       | 138.6        | 139.4        | 141.0        | 141.1        | 148.2        | 149.8        | 152.4        | 155.5         | 92.3         |      |
| Pineapple.....do.                                  | 38.1                                   | 173.2               | 174.9        | 171.9        | 171.9        | 173.1       | 173.9        | 173.6        | 174.2        | 175.2        | 177.0        | 179.4        | 180.9        | 196.0         |              |      |
| Canned vegetables:                                 |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Corn.....No. 2 can.                                | 17.6                                   | 141.6               | 139.3        | 137.6        | 138.4        | 137.3       | 138.8        | 139.7        | 142.1        | 144.1        | 149.5        | 152.4        | 153.1        | 155.1         | 88.6         |      |
| Tomatoes.....No. 2 can.                            | 14.8                                   | 164.3               | 163.5        | 161.2        | 161.7        | 159.9       | 159.3        | 187.7        | 158.2        | 157.8        | 158.4        | 158.4        | 158.8        | 168.8         | 92.5         |      |
| Pears.....No. 203 can.                             | 21.2                                   | 116.0               | 114.9        | 112.7        | 114.3        | 113.6       | 114.7        | 114.8        | 114.0        | 113.1        | 112.5        | 112.6        | 112.8        | 112.3         | 89.8         |      |
| Dried fruits: Prunes.....pound.                    | 24.7                                   | 242.6               | 238.5        | 236.0        | 237.5        | 236.0       | 234.9        | 223.9        | 231.7        | 232.5        | 231.8        | 230.7        | 232.0        | 231.3         | 94.7         |      |
| Dried vegetables: Navy beans.....do.               | 15.5                                   | 211.3               | 209.3        | 203.4        | 202.4        | 207.2       | 201.9        | 202.9        | 204.3        | 206.9        | 209.0        | 211.7        | 219.2        | 224.4         | 83.0         |      |
| Beverages: Coffee.....do.                          | 84.5                                   | 336.1               | 328.2        | 303.9        | 295.1        | 298.6       | 307.0        | 311.0        | 303.9        | 298.9        | 291.9        | 264.8        | 210.6        | 93.3          |              |      |
| Fats and oils:                                     |  |                     |              |              |              |             |              |              |              |              |              |              |              |               |              |      |
| Lard.....do.                                       | 23.3                                   | 155.9               | 157.7        | 118.8        | 115.9        | 112.6       | 109.5        | 110.0        | 110.0        | 113.1        | 114.2        | 119.3        | 130.4        | 133.9         | 65.2         |      |
| Hydrogenated veg. shortening <sup>8</sup> .....do. | 34.7                                   | 167.7               | 165.7        | 156.9        | 155.2        | 151.7       | 148.6        | 147.4        | 146.3        | 148.8        | 154.3        | 158.5        | 159.1        | 159.3         | 93.9         |      |
| Salad dressing.....pint.                           | 35.8                                   | 147.9               | 146.7        | 142.2        | 142.2        | 140.5       | 139.1        | 137.7        | 138.0        | 138.3        | 138.6        | 139.3        | 140.9        | 142.6         | (*)          |      |
| Margarine.....pound.                               | —                                      | 173.8               | 173.8        | 163.7        | 161.3        | 160.8       | 160.2        | 156.6        | 154.4        | 155.3        | 156.1        | 157.9        | 161.0        | 171.8         | 93.8         |      |
| Uncolored <sup>9</sup> .....do.                    | 33.3                                   | —                   | —            | (*)          | (*)          | (*)         | (*)          | (*)          | (*)          | (*)          | (*)          | (*)          | (*)          | (*)           |              |      |
| Colored <sup>10</sup> .....do.                     | 32.9                                   | —                   | —            | (*)          | (*)          | (*)         | (*)          | (*)          | (*)          | (*)          | (*)          | (*)          | (*)          | (*)           |              |      |
| Sugar:   | 5 pounds.                              | 50.6                | 188.4        | 188.6        | 176.9        | 175.2       | 175.4        | 176.1        | 177.8        | 178.8        | 179.8        | 179.7        | 179.8        | 178.4         | 177.7        | 95.6 |

<sup>1</sup> July 1947=100.<sup>2</sup> Index not computed.<sup>3</sup> February 1943=100.<sup>4</sup> Not priced in earlier period.<sup>5</sup> New specifications introduced in April 1949, in place of roasting chickens.<sup>6</sup> Priced in 29 cities.<sup>7</sup> Priced in 27 cities.<sup>8</sup> 1935-39=100.<sup>9</sup> Average price not computed.<sup>11</sup> Discontinued October 1949.<sup>12</sup> October 1949=100.<sup>13</sup> First inclusion in retail food price index.<sup>14</sup> No. 303 can fancy grade peas introduced in April 1950, in place of No. 2 can standard grade peas.<sup>15</sup> Formerly published as shortening in other containers.<sup>16</sup> Prices in 19 cities.<sup>17</sup> Prices in 27 cities.<sup>18</sup> Prices in 56 cities prior to August 1950.<sup>19</sup> Priced in 37 cities.

TABLE D-7: Indexes of Wholesale Prices,<sup>1</sup> by Group of Commodities, for Selected Periods

[1926=100]

| Year and month | All commodities <sup>2</sup> | Farm products | Foods | Hides and leather products | Textile products | Fuel and lighting materials | Metals and metal products <sup>3</sup> | Building materials | Chemicals and allied products | House-furnishing goods | Miscellaneous commodities | Raw materials | Semi-manufactured articles | Manufactured products <sup>4</sup> | All commodities except farm products <sup>5</sup> | All commodities except farm products and foods <sup>2</sup> |
|----------------|------------------------------|---------------|-------|----------------------------|------------------|-----------------------------|--|--------------------|-------------------------------|------------------------|---------------------------|---------------|----------------------------|------------------------------------|---|---|
| 1913: Average  | 69.8                         | 71.5          | 64.2  | 68.1                       | 57.3             | 61.3                        | 90.8                                   | 56.7               | 80.2                          | 56.1                   | 93.1                      | 68.8          | 74.9                       | 69.4                               | 69.0  | 70.0  |
| 1914: July     | 67.3                         | 71.4          | 62.9  | 69.7                       | 55.3             | 55.7                        | 79.1                                   | 52.9               | 77.9                          | 66.7                   | 88.1                      | 67.3          | 67.8                       | 66.9                               | 65.7  | 65.7  |
| 1918: November | 136.3                        | 150.3         | 128.6 | 131.6                      | 142.6            | 114.3                       | 143.5                                  | 161.8              | 178.0                         | 99.2                   | 142.3                     | 138.8         | 162.7                      | 130.4                              | 131.0   | 129.9   |
| 1920: May      | 167.2                        | 169.8         | 147.3 | 193.2                      | 188.3            | 155.8                       | 155.5                                  | 164.4              | 173.7                         | 143.3                  | 176.5                     | 163.4         | 233.0                      | 157.8                              | 165.4   | 170.6   |
| 1929: Average  | 95.3                         | 104.9         | 99.9  | 109.1                      | 90.4             | 83.0                        | 94.5                                   | 95.4               | 94.3                          | 82.6                   | 97.5                      | 93.9          | 94.5                       | 93.3                               | 91.6  |   |
| 1932: Average  | 64.8                         | 48.2          | 61.0  | 72.9                       | 54.9             | 70.3                        | 80.2                                   | 71.4               | 73.9                          | 75.1                   | 64.4                      | 55.1          | 50.3                       | 70.3                               | 68.3  | 70.2  |
| 1939: Average  | 77.1                         | 65.3          | 70.4  | 95.6                       | 69.7             | 73.1                        | 64.4                                   | 90.5               | 76.0                          | 86.3                   | 74.8                      | 70.2          | 77.0                       | 80.4                               | 79.5  | 81.3  |
| August         | 75.0                         | 61.0          | 67.2  | 92.2                       | 67.8             | 72.6                        | 89.6                                   | 74.2               | 85.6                          | 73.3                   | 66.5                      | 74.5          | 79.9                       | 77.9                               | 80.1  |   |
| 1940: Average  | 78.6                         | 67.7          | 71.3  | 100.8                      | 73.8             | 71.7                        | 95.8                                   | 94.8               | 77.0                          | 88.5                   | 77.3                      | 71.9          | 79.1                       | 81.6                               | 80.8  | 83.0  |
| 1941: Average  | 87.3                         | 82.4          | 82.7  | 108.3                      | 84.8             | 76.2                        | 99.4                                   | 103.2              | 84.4                          | 94.3                   | 82.0                      | 83.5          | 86.9                       | 88.3                               | 88.0  |   |
| December       | 93.6                         | 94.7          | 90.5  | 114.8                      | 91.8             | 78.4                        | 103.3                                  | 107.8              | 90.4                          | 101.1                  | 87.6                      | 92.3          | 90.1                       | 94.6                               | 93.3  | 93.7  |
| 1942: Average  | 98.8                         | 105.9         | 99.6  | 117.7                      | 96.9             | 78.5                        | 103.8                                  | 110.2              | 95.5                          | 102.4                  | 89.7                      | 100.6         | 92.6                       | 98.6                               | 97.0  | 95.8  |
| 1943: Average  | 103.1                        | 122.6         | 108.6 | 117.5                      | 97.4             | 80.8                        | 103.8                                  | 111.4              | 94.9                          | 102.7                  | 92.2                      | 112.1         | 92.9                       | 100.1                              | 98.7  | 96.9  |
| 1944: Average  | 104.0                        | 123.3         | 104.9 | 116.7                      | 98.4             | 83.0                        | 103.8                                  | 115.5              | 95.2                          | 104.3                  | 93.6                      | 113.2         | 94.1                       | 100.8                              | 99.6  | 98.5  |
| 1945: Average  | 105.8                        | 128.2         | 106.2 | 118.1                      | 100.1            | 84.0                        | 104.7                                  | 117.8              | 95.2                          | 104.5                  | 94.7                      | 116.8         | 95.9                       | 101.8                              | 100.8   | 99.7  |
| August         | 105.7                        | 126.9         | 106.4 | 118.0                      | 99.6             | 84.8                        | 104.7                                  | 117.8              | 95.3                          | 104.5                  | 94.8                      | 116.3         | 95.5                       | 101.8                              | 100.9   | 99.9  |
| 1946: Average  | 121.1                        | 148.9         | 130.7 | 137.2                      | 116.3            | 90.1                        | 115.5                                  | 132.6              | 101.4                         | 111.6                  | 100.3                     | 134.7         | 110.8                      | 116.1                              | 114.9   | 109.5   |
| June           | 112.9                        | 140.1         | 112.9 | 122.4                      | 109.2            | 87.8                        | 129.9                                  | 129.9              | 96.4                          | 110.4                  | 98.5                      | 126.3         | 105.7                      | 107.3                              | 105.6   |   |
| November       | 139.7                        | 169.8         | 165.4 | 172.5                      | 131.6            | 94.5                        | 130.2                                  | 145.5              | 118.9                         | 118.2                  | 106.5                     | 153.4         | 129.1                      | 134.7                              | 132.9   | 129.7   |
| 1947: Average  | 152.1                        | 181.2         | 168.7 | 182.4                      | 141.7            | 108.7                       | 145.0                                  | 179.7              | 127.3                         | 131.1                  | 115.5                     | 165.6         | 148.5                      | 146.0                              | 145.5   | 145.2   |
| 1948: Average  | 165.1                        | 188.3         | 179.1 | 188.8                      | 149.8            | 134.2                       | 163.6                                  | 190.1              | 135.7                         | 144.5                  | 120.5                     | 178.4         | 158.0                      | 159.4                              | 159.8   | 151.0   |
| 1949: Average  | 155.0                        | 165.5         | 161.4 | 180.4                      | 140.4            | 131.7                       | 170.2                                  | 193.4              | 118.6                         | 145.3                  | 112.3                     | 163.9         | 150.2                      | 151.2                              | 152.4   | 147.3   |
| September      | 153.5                        | 163.1         | 162.0 | 181.1                      | 139.6            | 129.9                       | 168.2                                  | 186.4              | 117.6                         | 142.0                  | 109.6                     | 162.0         | 147.8                      | 150.1                              | 151.2   | 145.3   |
| October        | 152.2                        | 159.6         | 159.6 | 181.3                      | 138.0            | 130.6                       | 167.3                                  | 189.3              | 115.9                         | 145.0                  | 109.0                     | 160.4         | 145.3                      | 149.1                              | 150.3   | 145.0   |
| November       | 151.6                        | 158.6         | 158.9 | 180.8                      | 138.0            | 130.2                       | 167.3                                  | 189.6              | 115.8                         | 145.4                  | 109.7                     | 160.4         | 145.1                      | 148.2                              | 150.3   | 145.0   |
| December       | 151.2                        | 154.9         | 155.7 | 179.9                      | 138.4            | 130.4                       | 167.4                                  | 190.4              | 142.2                         | 110.7                  | 139.5                     | 144.7         | 147.9                      | 150.1                              | 145.4   |   |
| 1950: January  | 151.5                        | 154.7         | 154.7 | 179.3                      | 138.5            | 131.4                       | 168.4                                  | 191.6              | 115.7                         | 144.7                  | 110.0                     | 159.8         | 144.8                      | 148.2                              | 150.5   | 145.8   |
| February       | 152.7                        | 159.1         | 156.7 | 179.0                      | 138.2            | 131.3                       | 168.6                                  | 192.8              | 115.2                         | 145.2                  | 110.0                     | 162.4         | 144.3                      | 149.1                              | 151.1   | 145.9   |
| March          | 152.7                        | 159.4         | 155.5 | 179.6                      | 137.3            | 131.5                       | 168.5                                  | 194.2              | 116.3                         | 145.5                  | 110.7                     | 162.8         | 144.1                      | 148.9                              | 151.0   | 146.1   |
| April          | 152.9                        | 159.3         | 155.3 | 179.4                      | 136.4            | 131.2                       | 168.7                                  | 194.8              | 117.1                         | 145.8                  | 112.6                     | 162.5         | 143.9                      | 149.4                              | 151.2   | 146.4   |
| May            | 155.9                        | 164.7         | 159.9 | 181.0                      | 136.1            | 132.1                       | 169.7                                  | 198.1              | 116.4                         | 146.6                  | 114.7                     | 166.3         | 145.6                      | 152.2                              | 153.7   | 147.6   |
| June           | 157.3                        | 165.9         | 162.1 | 182.6                      | 136.8            | 132.7                       | 171.9                                  | 202.1              | 114.5                         | 146.9                  | 114.7                     | 167.7         | 148.4                      | 153.5                              | 155.2   | 148.8   |
| July           | 162.9                        | 176.0         | 171.4 | 187.2                      | 142.6            | 133.4                       | 172.4                                  | 207.3              | 118.1                         | 148.7                  | 119.0                     | 175.8         | 152.9                      | 158.0                              | 159.8   | 151.5   |
| August         | 169.4                        | 177.6         | 174.6 | 195.6                      | 149.5            | 134.4                       | 174.3                                  | 214.0              | 122.5                         | 154.1                  | 124.3                     | 179.1         | 159.2                      | 161.2                              | 163.8   | 155.5   |
| September      | 169.5                        | 180.4         | 177.2 | 202.8                      | 158.2            | 135.1                       | 176.7                                  | 219.6              | 128.5                         | 159.2                  | 127.4                     | 181.7         | 165.6                      | 164.0                              | 166.9   | 159.2   |

<sup>1</sup> BLS wholesale price data, for the most part, represent prices in primary markets. They are prices charged by manufacturers or producers or are prices prevailing on organized exchanges. The weekly index is calculated from 1-day-a-week prices; the monthly index from an average of these prices. Monthly indexes for the last 2 months are preliminary.

The indexes currently are computed by the fixed base aggregate method, with weights representing quantities produced for sale in 1929-31. (For a detailed description of the method of calculation see "Revised Method of Calculation of the Bureau of Labor Statistics Wholesale Price Index," in the Journal of the American Statistical Association, December 1937.)

Mimeographed tables are available, upon request to the Bureau, giving monthly indexes for major groups of commodities since 1930 and for subgroups and economic groups since 1913. The weekly wholesale price indexes are

available in summary form since 1947 for all commodities; all commodities less farm products and foods; farm products; foods; textile products; fuel and lighting materials; metals and metal products; building materials, and chemicals and allied products.

Weekly indexes are also available for the subgroups of grains, livestock, and meats.

<sup>2</sup> Includes current motor vehicle prices beginning with October 1946. The rate of production of motor vehicles in October 1946 exceeded the monthly average rate of civilian production in 1941, and in accordance with the announcement made in September 1946, the Bureau introduced current prices for motor vehicles in the October calculations. During the war, motor vehicles were not produced for general civilian sale and the Bureau carried April 1942 prices forward in each computation through September 1946.

<sup>3</sup> Corrected.

TABLE D-8: Indexes of Wholesale Prices,<sup>1</sup> by Group and Subgroup of Commodities  
[1926=100]

| Group and subgroup                     | 1950  |       |       |       |       |       |       |       |       |       | 1949  |       |       |       |       | 1946  |      | 1939 |  |  |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|--|--|
|  | Sept. | Aug.  | July  | June  | May   | Apr.  | Mar.  | Feb.  | Jan.  | Dec.  | Nov.  | Oet.  | Sept. | June  | Aug.  |       |      |      |  |  |
| All commodities <sup>2</sup>           | 160.5 | 166.4 | 162.9 | 157.3 | 155.9 | 152.9 | 152.7 | 152.7 | 151.5 | 151.2 | 151.6 | 152.2 | 153.5 | 112.9 | 78.0  |       |      |      |  |  |
| Farm products                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |      |  |  |
| Grains                                 | 180.4 | 177.6 | 176.0 | 159.9 | 164.7 | 159.3 | 159.4 | 159.1 | 154.7 | 154.9 | 156.8 | 159.6 | 163.1 | 140.1 | 61.0  |       |      |      |  |  |
| Livestock and poultry                  | 166.5 | 167.7 | 173.5 | 169.3 | 172.3 | 169.6 | 165.4 | 161.3 | 160.2 | 160.9 | 156.4 | 155.3 | 156.4 | 151.8 | 51.5  |       |      |      |  |  |
| Livestock                              | 211.3 | 217.3 | 215.8 | 197.5 | 194.6 | 178.0 | 180.3 | 179.9 | 170.5 | 167.0 | 169.6 | 177.7 | 186.6 | 137.4 | 65.0  |       |      |      |  |  |
| Poultry                                | 237.5 | 243.8 | 242.5 | 222.4 | 218.5 | 197.9 | 196.7 | 200.6 | 192.0 | 187.0 | 188.3 | 197.6 | 207.5 | 143.4 | 67.7  |       |      |      |  |  |
| Other farm products                    | 85.3  | 90.2  | 87.6  | 77.2  | 79.6  | 84.0  | 89.7  | 81.4  | 65.7  | 71.1  | (4)   | (4)   | (4)   | (2)   | (2)   |       |      |      |  |  |
| Eggs <sup>3</sup>                      | 164.3 | 155.3 | 151.8 | 145.0 | 143.7 | 144.2 | 144.2 | 144.9 | 142.6 | 145.0 | 148.2 | 148.8 | 149.8 | 137.5 | 60.1  |       |      |      |  |  |
| Foods                                  | 128.8 | 110.1 | 103.8 | 91.3  | 85.4  | 90.7  | 94.6  | 87.3  | 86.0  | 99.1  | 132.5 | 147.5 | 158.3 | 97.3  | 47.8  |       |      |      |  |  |
| Hides and leather products             | 177.2 | 174.6 | 171.4 | 162.1 | 159.0 | 155.3 | 155.5 | 156.7 | 154.8 | 155.7 | 158.9 | 159.6 | 162.0 | 112.9 | 67.2  |       |      |      |  |  |
| Shoes                                  | 154.1 | 144.6 | 141.8 | 135.9 | 138.0 | 141.1 | 144.8 | 147.5 | 148.8 | 154.4 | 154.7 | 154.6 | 153.5 | 127.3 | 67.9  |       |      |      |  |  |
| Hides and skins                        | 155.5 | 154.9 | 152.2 | 145.6 | 146.0 | 145.9 | 154.6 | 144.8 | 144.3 | 144.6 | 144.6 | 144.6 | 143.7 | 101.7 | 71.9  |       |      |      |  |  |
| Leather                                | 131.0 | 132.0 | 137.0 | 140.5 | 139.2 | 137.6 | 134.9 | 138.2 | 134.3 | 132.4 | 130.7 | 128.0 | 126.9 | 136.1 | 58.5  |       |      |      |  |  |
| Meats, poultry, fish                   | 241.0 | 240.2 | 240.7 | 223.7 | 217.1 | 200.6 | 200.1 | 201.6 | 194.5 | 195.3 | 198.9 | 205.0 | 215.1 | 110.1 | 78.7  |       |      |      |  |  |
| Meats                                  | 259.5 | 258.3 | 260.1 | 241.4 | 234.0 | 214.7 | 213.6 | 206.3 | 212.9 | 219.6 | 220.4 | 223.0 | 216.6 | 116.6 | 78.1  |       |      |      |  |  |
| Poultry                                | 99.0  | 103.5 | 97.9  | 91.5  | 90.0  | 89.9  | 92.7  | 86.8  | 83.1  | 88.6  | (4)   | (4)   | (2)   | (2)   | (2)   |       |      |      |  |  |
| Other foods                            | 158.6 | 154.1 | 145.1 | 133.1 | 130.9 | 123.3 | 128.9 | 131.0 | 129.6 | 126.6 | 139.6 | 137.4 | 137.8 | 98.1  | 60.3  |       |      |      |  |  |
| Hides and leather products             | 202.8 | 195.6 | 187.2 | 182.6 | 181.0 | 179.4 | 179.6 | 179.0 | 179.3 | 179.0 | 180.8 | 181.2 | 181.1 | 122.4 | 92.7  |       |      |      |  |  |
| Shoes                                  | 194.8 | 191.4 | 185.8 | 184.8 | 185.0 | 184.3 | 184.3 | 184.3 | 184.3 | 184.3 | 184.3 | 184.3 | 183.8 | 129.5 | 100.8 |       |      |      |  |  |
| Hides and skins                        | 264.0 | 238.2 | 219.8 | 202.1 | 194.4 | 187.2 | 190.4 | 188.2 | 188.0 | 188.0 | 190.5 | 205.6 | 204.8 | 121.5 | 77.2  |       |      |      |  |  |
| Leather                                | 196.8 | 192.3 | 185.3 | 180.6 | 179.3 | 175.1 | 177.9 | 176.6 | 177.6 | 178.1 | 177.0 | 176.5 | 175.5 | 110.7 | 84.0  |       |      |      |  |  |
| Other leather products                 | 151.3 | 141.1 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 141.1 | 141.1 | 115.2 | 97.1  |       |      |      |  |  |
| Textile products                       | 158.2 | 149.5 | 142.6 | 136.8 | 136.1 | 136.4 | 137.3 | 138.2 | 138.5 | 138.4 | 138.0 | 138.0 | 139.0 | 109.2 | 67.8  |       |      |      |  |  |
| Clothing                               | 146.7 | 145.2 | 144.3 | 143.8 | 143.8 | 143.5 | 143.5 | 143.1 | 143.9 | 144.0 | 144.2 | 144.6 | 144.8 | 120.3 | 81.8  |       |      |      |  |  |
| Cotton goods                           | 221.6 | 206.8 | 190.7 | 173.8 | 172.0 | 172.8 | 176.5 | 178.4 | 178.7 | 178.7 | 177.9 | 176.5 | 174.8 | 139.4 | 65.5  |       |      |      |  |  |
| Hosiery and underwear                  | 104.8 | 101.2 | 99.2  | 97.7  | 97.7  | 97.7  | 97.7  | 98.0  | 98.6  | 98.5  | 98.4  | 98.4  | 98.4  | 75.8  | 61.5  |       |      |      |  |  |
| Rayon and nylon                        | 41.7  | 41.3  | 40.7  | 39.9  | 39.9  | 39.9  | 39.9  | 39.9  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  | 30.6  | 30.6  | 28.5  |      |      |  |  |
| Silk                                   | 64.9  | 65.6  | 60.3  | 49.3  | 49.3  | 49.1  | 50.1  | 50.1  | 49.9  | 49.5  | 49.2  | 49.2  | 49.2  | (4)   | (4)   |       |      |      |  |  |
| Woolen textile products                | 178.2 | 157.7 | 150.9 | 148.3 | 146.2 | 146.0 | 146.3 | 147.2 | 147.0 | 146.9 | 146.0 | 145.1 | 150.4 | 112.7 | 78.5  |       |      |      |  |  |
| Fuel and lighting materials            | 133.1 | 134.4 | 133.4 | 127.2 | 132.1 | 131.1 | 131.5 | 131.1 | 131.4 | 130.4 | 130.2 | 130.6 | 129.9 | 87.8  | 72.6  |       |      |      |  |  |
| Anthracite                             | 142.8 | 142.1 | 141.0 | 139.2 | 141.9 | 141.9 | 139.3 | 139.3 | 139.3 | 139.3 | 139.3 | 139.3 | 138.6 | 106.1 | 72.1  |       |      |      |  |  |
| Bituminous coal                        | 193.1 | 192.5 | 191.9 | 192.6 | 192.6 | 193.4 | 198.5 | 196.7 | 196.2 | 194.1 | 192.4 | 192.4 | 190.5 | 132.8 | 96.0  |       |      |      |  |  |
| Coke                                   | 225.6 | 225.6 | 225.6 | 225.6 | 225.6 | 225.6 | 224.7 | 223.7 | 222.2 | 222.2 | 222.2 | 222.2 | 222.2 | 133.5 | 104.2 |       |      |      |  |  |
| Electricity                            | (3)   | (3)   | 67.0  | 67.0  | 66.6  | 67.8  | 67.9  | 66.9  | 68.0  | 69.0  | 69.0  | 70.3  | 70.1  | 68.9  | 67.2  | 78.8  |      |      |  |  |
| Gas                                    | (3)   | 88.1  | 88.3  | 87.3  | 87.2  | 86.8  | 88.3  | 87.4  | 85.0  | 87.2  | 88.3  | 87.8  | 86.3  | 79.6  | 68.7  |       |      |      |  |  |
| Petroleum and products                 | 117.8 | 116.8 | 115.5 | 113.9 | 112.6 | 105.6 | 108.0 | 109.4 | 108.5 | 108.5 | 108.5 | 109.9 | 109.1 | 104.0 | 81.7  |       |      |      |  |  |
| Metals and metal products <sup>4</sup> | 176.7 | 174.3 | 172.4 | 171.9 | 169.7 | 168.7 | 168.6 | 168.6 | 168.4 | 167.8 | 167.3 | 167.3 | 167.3 | 112.2 | 92.2  |       |      |      |  |  |
| Agricultural machinery and equipment   | 150.2 | 145.5 | 143.9 | 143.7 | 143.7 | 143.4 | 143.1 | 143.0 | 143.0 | 143.1 | 143.6 | 143.8 | 140.5 | 104.5 | 93.8  |       |      |      |  |  |
| Farm machinery                         | 152.7 | 147.7 | 146.2 | 146.0 | 146.0 | 145.8 | 145.6 | 145.7 | 145.7 | 145.6 | 145.6 | 145.7 | 145.7 | 140.4 | 94.7  |       |      |      |  |  |
| Iron and steel                         | 172.1 | 170.1 | 168.8 | 169.4 | 168.5 | 168.5 | 169.0 | 169.0 | 167.3 | 167.3 | 164.3 | 163.4 | 164.0 | 110.1 | 95.1  |       |      |      |  |  |
| Steel mill products                    | 172.5 | 172.3 | 172.3 | 172.3 | 171.8 | 171.7 | 171.7 | 171.7 | 171.7 | 171.7 | 171.7 | 171.7 | 171.7 | 112.2 | 98.6  |       |      |      |  |  |
| Semi-finished                          | 185.4 | 185.4 | 185.4 | 185.4 | 185.4 | 185.4 | 184.9 | 184.9 | 184.7 | 184.7 | 182.2 | 181.1 | 173.4 | 173.2 | 180.6 | 108.9 |      |      |  |  |
| Finished                               | 170.9 | 170.6 | 170.6 | 170.4 | 170.4 | 170.1 | 170.0 | 169.0 | 169.7 | 166.3 | 162.7 | 162.7 | 162.7 | 112.8 | 99.0  |       |      |      |  |  |
| Motor vehicles                         | 176.5 | 171.1 | 175.1 | 175.1 | 175.1 | 175.1 | 175.1 | 175.1 | 175.6 | 175.6 | 176.7 | 176.7 | 177.0 | 177.0 | 177.1 | 135.5 | 92.8 |      |  |  |
| Passenger cars                         | 186.6 | 186.4 | 185.2 | 185.2 | 185.2 | 185.2 | 185.2 | 185.2 | 185.2 | 185.2 | 186.7 | 186.7 | 186.7 | 187.0 | 142.8 | 95.6  |      |      |  |  |
| Trucks                                 | 133.9 | 133.1 | 133.0 | 133.0 | 133.0 | 132.7 | 132.7 | 132.8 | 133.3 | 133.3 | 134.0 | 134.0 | 134.0 | 135.3 | 104.3 | 77.4  |      |      |  |  |
| Nonferrous metals                      | 166.1 | 166.3 | 156.0 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 99.2  | 74.6  |      |      |  |  |
| Plumbing and heating                   | 166.9 | 164.6 | 156.5 | 156.4 | 156.4 | 156.4 | 156.4 | 156.7 | 156.7 | 156.7 | 156.4 | 156.4 | 156.4 | 120.9 | 71.8  |       |      |      |  |  |
| Plumbing                               | 125.4 | 123.3 | 116.6 | 116.6 | 116.6 | 116.6 | 116.6 | 116.6 | 116.6 | 116.6 | 116.6 | 116.6 | 116.6 | 116.6 | 116.6 | 70.3  |      |      |  |  |
| Structural steel                       | 191.6 | 191.6 | 191.6 | 191.6 | 191.6 | 191.6 | 191.6 | 191.6 | 191.6 | 191.6 | 191.6 | 191.6 | 191.6 | 120.1 | 107.3 |       |      |      |  |  |
| Other bldg. materials                  | 182.8 | 178.9 | 172.7 | 172.7 | 172.7 | 172.7 | 172.7 | 172.7 | 171.1 | 170.6 | 169.2 | 168.6 | 168.6 | 168.9 | 118.4 | 89.5  |      |      |  |  |
| Chemicals and allied products          | 128.5 | 122.5 | 118.1 | 114.5 | 116.4 | 117.1 | 116.3 | 115.2 | 115.7 | 115.2 | 115.8 | 115.9 | 117.6 | 96.4  | 74.2  |       |      |      |  |  |
| Chemicals                              | 125.6 | 121.1 | 119.3 | 117.3 | 116.5 | 115.4 | 114.7 | 114.7 | 114.7 | 114.7 | 115.0 | 115.3 | 117.2 | 93.8  |       |       |      |      |  |  |
| Drug and pharmaceutical materials      | 153.4 | 135.0 | 129.1 | 122.7 | 122.3 | 122.0 | 121.9 | 121.4 | 121.5 | 121.6 | 123.0 | 123.1 | 125.0 | 109.4 | 77.1  |       |      |      |  |  |
| Fertilizer materials                   | 111.4 | 112.1 | 110.8 | 108.4 | 116.8 | 117.4 | 117.3 | 116.9 | 117.4 | 117.9 | 117.0 | 118.3 | 120.2 | 120.4 | 82.7  | 65.8  |      |      |  |  |
| Mixed fertilizers                      | 163.0 | 163.0 | 163.0 | 163.3 | 163.3 | 163.5 | 163.5 | 163.5 | 163.5 | 163.5 | 163.6 | 163.6 | 163.6 | 108.2 | 86.6  | 73.1  |      |      |  |  |
| Oils and fats                          | 161.6 | 141.7 | 125.7 | 111.9 | 122.2 | 127.5 | 125.6 | 120.9 | 122.7 | 118.2 | 118.3 | 115.6 | 118.4 | 102.1 | 40.6  |       |      |      |  |  |
| Housefurnishings goods                 | 159.2 | 154.1 | 148.7 | 146.9 | 146.6 | 145.8 | 145.5 | 145.2 | 144.7 | 144.2 | 143.4 | 143.0 | 142.9 | 110.4 | 74.6  |       |      |      |  |  |
| Furnishings                            | 168.2 | 163.2 | 156.2 | 154.2 | 154.1 | 152.6 | 152.2 | 151.8 | 151.5 | 151.2 | 149.9 | 149.2 | 149.1 | 114.5 | 90.0  |       |      |      |  |  |
| Furniture                              | 149.8 | 144.6 | 141.0 | 139.4 | 138.9 | 138.8 | 138.6 | 138.4 | 137.8 | 137.0 | 136.8 | 136.7 | 136.6 | 108.5 | 81.1  |       |      |      |  |  |
| Miscellaneous                          | 127.4 | 124.3 | 119.0 | 114.7 | 114.7 | 112.6 | 110.7 | 110.0 | 110.7 | 109.7 | 109.0 | 109.6 | 98.5  | 73.3  |       |       |      |      |  |  |
| Tires and tubes                        | 77.4  | 75.0  | 68.7  | 67.0  | 65.8  | 65.0  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 60.7  | 60.6  | 55.5  |      |      |  |  |
| Cattle feed                            | 203.8 | 205.6 | 249.5 | 213.2 | 235.5 | 215.6 | 193.7 | 177.3 | 179.3 | 192.3 | 184.9 | 182.1 | 190.3 | 197.8 | 68.4  |       |      |      |  |  |
| Paper and pulp                         | 167.1 | 163.9 | 159.9 | 155.6 | 155.4 | 155.4 | 155.4 | 155.5 | 155.6 | 155.6 | 156.0 | 156.5 | 156.5 | 115.6 | 80.0  |       |      |      |  |  |
| Paperboard                             | 171.6 | 165.5 | 152.8 | 146.6 | 146.5 | 146.5 | 147.3 | 147.3 | 147.3 | 147.5 | 147.5 | 147.1 | 146.4 | 146.4 | 115.6 | 66.2  |      |      |  |  |
| Paper                                  | 157.3 | 154.5 | 152.0 | 150.3 | 150.3 | 150.3 | 150.3 | 150.3 | 150.5 | 150.5 | 151.0 | 151.0 | 151.0 |       |       |       |      |      |  |  |

## E: Work Stoppages

TABLE E-1: Work Stoppages Resulting From Labor-Management Disputes<sup>1</sup>

| Month and year             | Number of stoppages        |                        | Workers involved in stoppages |                        | Man-days idle during month or year |                                   |
|----------------------------|----------------------------|------------------------|-------------------------------|------------------------|------------------------------------|-----------------------------------|
|                            | Beginning in month or year | In effect during month | Beginning in month or year    | In effect during month | Number                             | Percent of estimated working time |
| 1935-39 (average)          | 2,862                      | -                      | 1,130,000                     | -                      | 16,900,000                         | 0.27                              |
| 1945                       | 4,750                      | -                      | 3,470,000                     | -                      | 38,000,000                         | .47                               |
| 1946                       | 4,985                      | -                      | 4,600,000                     | -                      | 116,000,000                        | 1.43                              |
| 1947                       | 3,693                      | -                      | 2,170,000                     | -                      | 34,600,000                         | .41                               |
| 1948                       | 3,419                      | -                      | 1,960,000                     | -                      | 34,100,000                         | .37                               |
| 1949                       | 3,606                      | -                      | 3,030,000                     | -                      | 50,500,000                         | .59                               |
| 1950: September            | 287                        | 836                    | 507,000                       | 603,000                | 6,270,000                          | .87                               |
| October                    | 256                        | 475                    | 570,000                       | 977,000                | 17,500,000                         | 2.49                              |
| November                   | 197                        | 388                    | 56,600                        | 914,000                | 6,270,000                          | .93                               |
| December                   | 170                        | 323                    | 45,500                        | 417,000                | 4,350,000                          | .19                               |
| 1950: January <sup>2</sup> | 225                        | 340                    | 185,000                       | 306,000                | 2,600,000                          | .38                               |
| February <sup>2</sup>      | 210                        | 325                    | 75,000                        | 515,000                | 7,850,000                          | 1.27                              |
| March <sup>2</sup>         | 260                        | 400                    | 80,000                        | 530,000                | 3,750,000                          | .49                               |
| April <sup>2</sup>         | 400                        | 550                    | 160,000                       | 300,000                | 3,150,000                          | .47                               |
| May <sup>2</sup>           | 450                        | 650                    | 325,000                       | 800,000                | 3,000,000                          | .40                               |
| June <sup>2</sup>          | 425                        | 650                    | 290,000                       | 400,000                | 2,750,000                          | .36                               |
| July <sup>2</sup>          | 425                        | 650                    | 225,000                       | 400,000                | 2,900,000                          | .41                               |
| August <sup>2</sup>        | 560                        | 800                    | 350,000                       | 465,000                | 2,900,000                          | .35                               |
| September <sup>2</sup>     | 525                        | 800                    | 275,000                       | 460,000                | 3,500,000                          | .48                               |

<sup>1</sup> All known work stoppages, arising out of labor-management disputes, involving six or more workers and continuing as long as a full day or shift are included in reports of the Bureau of Labor Statistics. Figures on "workers involved" and "man-days idle" cover all workers made idle for one or

more shifts in establishments directly involved in a stoppage. They do not measure the indirect or secondary effects on other establishments or industries whose employees are made idle as a result of material or service shortages.

<sup>2</sup> Preliminary estimates.

## F: Building and Construction

TABLE F-1: Expenditures for New Construction<sup>1</sup>

[Value of work put in place]

| Type of construction  | Expenditures (in millions) |                    |                   |         |         |         |         |         |         |         |         |         | 1949<br>Total | 1948<br>Total |          |  |
|---|----------------------------|--------------------|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|---------------|----------|--|
|   | 1950                       |                    |                   |         |         |         |         |         |         |         |         |         |               |               |          |  |
|   | Oct. <sup>2</sup>          | Sept. <sup>3</sup> | Aug. <sup>3</sup> | July    | June    | May     | Apr.    | Mar.    | Feb.    | Jan.    | Dec.    | Nov.    |               |               |          |  |
| Total new construction <sup>4</sup>                               | \$2,695                    | \$2,806            | \$2,790           | \$2,675 | \$2,535 | \$2,283 | \$1,980 | \$1,750 | \$1,618 | \$1,712 | \$1,852 | \$2,044 | \$2,177       | \$22,594      | \$21,572 |  |
| Private construction  | 1,982                      | 2,071              | 2,071             | 1,907   | 1,883   | 1,690   | 1,483   | 1,313   | 1,262   | 1,298   | 1,401   | 1,484   | 1,506         | 16,204        | 16,655   |  |
| Residential building (nonfarm)                                    | 1,214                      | 1,306              | 1,309             | 1,253   | 1,171   | 1,035   | 882     | 741     | 717     | 742     | 806     | 837     | 832           | 8,290         | 8,580    |  |
| New dwelling units  | 1,110                      | 1,195              | 1,195             | 1,145   | 1,065   | 940     | 800     | 675     | 655     | 680     | 730     | 750     | 740           | 7,280         | 7,500    |  |
| Additions and alterations   | 86                         | 94                 | 93                | 93      | 92      | 82      | 70      | 65      | 51      | 51      | 61      | 72      | 76            | 825           | 925      |  |
| Nonhousekeeping <sup>5</sup>                                      | 18                         | 17                 | 16                | 15      | 14      | 13      | 12      | 11      | 11      | 11      | 15      | 18      | 16            | 185           | 155      |  |
| Nonresidential building (nonfarm) <sup>6</sup>                    | 378                        | 351                | 330               | 324     | 306     | 275     | 249     | 249     | 252     | 257     | 267     | 270     | 264           | 3,228         | 3,621    |  |
| Industrial  | 111                        | 100                | 89                | 83      | 78      | 73      | 70      | 69      | 70      | 69      | 68      | 68      | 68            | 1,367         | 1,367    |  |
| Commercial  | 135                        | 121                | 113               | 117     | 110     | 92      | 76      | 77      | 77      | 79      | 86      | 88      | 84            | 1,027         | 1,253    |  |
| Warehouses, office and loft buildings                             | 43                         | 39                 | 35                | 32      | 28      | 26      | 24      | 25      | 27      | 28      | 28      | 27      | 24            | 321           | 332      |  |
| Stores, restaurants, and garages                                  | 92                         | 82                 | 78                | 85      | 82      | 66      | 52      | 52      | 50      | 51      | 58      | 61      | 60            | 706           | 601      |  |
| Other nonresidential building                                     | 132                        | 130                | 128               | 124     | 118     | 110     | 103     | 103     | 105     | 109     | 113     | 114     | 112           | 1,229         | 971      |  |
| Religious   | 39                         | 38                 | 37                | 35      | 33      | 31      | 28      | 28      | 29      | 31      | 32      | 34      | 33            | 360           | 251      |  |
| Educational   | 29                         | 28                 | 26                | 24      | 23      | 21      | 20      | 21      | 22      | 23      | 24      | 24      | 24            | 269           | 253      |  |
| Social and recreational   | 23                         | 23                 | 24                | 23      | 21      | 19      | 17      | 17      | 18      | 20      | 21      | 21      | 22            | 262           | 224      |  |
| Hospital and institutional <sup>7</sup>                           | 29                         | 29                 | 29                | 30      | 30      | 29      | 28      | 27      | 26      | 25      | 24      | 23      | 22            | 202           | 126      |  |
| Miscellaneous   | 12                         | 12                 | 12                | 12      | 11      | 10      | 10      | 10      | 10      | 10      | 12      | 12      | 11            | 136           | 117      |  |
| Farm construction   | 88                         | 106                | 116               | 113     | 108     | 100     | 88      | 79      | 75      | 74      | 75      | 87      | 104           | 1,292         | 1,397    |  |
| Public utilities  | 295                        | 301                | 305               | 296     | 285     | 267     | 253     | 235     | 209     | 216     | 246     | 283     | 299           | 3,316         | 3,002    |  |
| Railroad  | 29                         | 30                 | 30                | 29      | 28      | 27      | 26      | 21      | 16      | 22      | 23      | 29      | 29            | 352           | 379      |  |
| Telephone and telegraph   | 40                         | 43                 | 45                | 45      | 42      | 41      | 40      | 38      | 32      | 30      | 37      | 40      | 40            | 533           | 713      |  |
| Other public utilities  | 225                        | 228                | 230               | 222     | 215     | 199     | 187     | 176     | 161     | 164     | 186     | 214     | 230           | 2,431         | 1,910    |  |
| All other private <sup>8</sup>                                    | 7                          | 7                  | 11                | 11      | 13      | 13      | 11      | 9       | 9       | 9       | 7       | 7       | 7             | 78            | 65       |  |
| Public construction   | 713                        | 735                | 719               | 678     | 652     | 593     | 506     | 457     | 356     | 414     | 451     | 560     | 671           | 6,390         | 4,907    |  |
| Residential building <sup>9</sup>                                 | 29                         | 28                 | 27                | 24      | 28      | 26      | 28      | 28      | 26      | 35      | 34      | 36      | 41            | 359           | 156      |  |
| Nonresidential building (other than military or naval facilities) | 217                        | 213                | 204               | 196     | 191     | 187     | 176     | 170     | 154     | 155     | 158     | 179     | 215           | 2,056         | 1,301    |  |
| Military <sup>10</sup>  | 25                         | 22                 | 19                | 18      | 16      | 17      | 13      | 11      | 7       | 9       | 11      | 11      | 17            | 196           | 196      |  |
| Educational   | 112                        | 108                | 102               | 98      | 94      | 90      | 87      | 84      | 79      | 80      | 80      | 82      | 85            | 934           | 618      |  |
| Hospital and institutional  | 37                         | 39                 | 39                | 37      | 39      | 40      | 40      | 40      | 38      | 37      | 40      | 44      | 48            | 477           | 223      |  |
| Other nonresidential  | 43                         | 44                 | 44                | 43      | 42      | 40      | 38      | 35      | 30      | 31      | 29      | 42      | 71            | 468           | 294      |  |
| Military and naval facilities                                     | 18                         | 17                 | 14                | 10      | 10      | 8       | 8       | 8       | 9       | 9       | 12      | 14      | 16            | 137           | 138      |  |
| Highways  | 290                        | 310                | 305               | 275     | 250     | 210     | 145     | 100     | 55      | 90      | 117     | 184     | 233           | 2,129         | 1,856    |  |
| Sewer and water   | 62                         | 60                 | 58                | 56      | 55      | 54      | 52      | 49      | 46      | 49      | 49      | 51      | 56            | 619           | 535      |  |
| Miscellaneous public service enterprises <sup>11</sup>            | 15                         | 17                 | 18                | 18      | 17      | 15      | 13      | 11      | 10      | 12      | 13      | 16      | 22            | 203           | 185      |  |
| Conservation and development                                      | 74                         | 82                 | 85                | 91      | 92      | 82      | 73      | 62      | 49      | 56      | 60      | 71      | 80            | 792           | 629      |  |
| All other public <sup>12</sup>                                    | 8                          | 8                  | 8                 | 8       | 9       | 9       | 8       | 9       | 7       | 8       | 8       | 9       | 8             | 95            | 87       |  |

<sup>1</sup> Joint estimates of the Bureau of Labor Statistics, U. S. Department of Labor, and the Office of Industry and Commerce, U. S. Department of Commerce. Estimated construction expenditures represent the monetary value of the volume of work accomplished during the given period of time. These figures should be differentiated from permit valuation data reported in the tabulations for building authorized (tables F-3 and F-4) and the data on value of contract awards reported in table F-2.

The estimates shown in this table represent extensive revisions in the series as published prior to July 1950, primarily to include segments of expenditures formerly omitted because of inadequate source data. The entire revised series (showing data annually from 1915, and monthly from 1939) is available on request.

Preliminary.

Revised.

<sup>2</sup> Includes major additions and alterations.

<sup>3</sup> Includes hotels, dormitories, and tourist courts and cabins.

<sup>4</sup> Expenditures by privately owned public utilities for nonresidential building are included under "Public utilities."

<sup>5</sup> Includes Federal contributions toward construction of private nonprofit hospital facilities under the National Hospital Program.

<sup>6</sup> Includes privately owned sewer and water systems, roads and bridges, and miscellaneous nonbuilding items such as parks and playgrounds.

<sup>7</sup> Includes nonhousekeeping public residential construction as well as housekeeping units.

<sup>8</sup> Represents primarily expenditures to construct facilities under the atomic energy program.

<sup>9</sup> Covers primarily airports and publicly owned electric light and power systems and local transit facilities.

<sup>10</sup> Includes publicly owned parks and playgrounds, memorials, etc.

TABLE F-2: Value of Contracts Awarded and Force Account Work Started on Federally Financed New Construction, by Type of Construction<sup>1</sup>

| Period | Total new construction <sup>2</sup> | Airports <sup>3</sup> | Value (in thousands) |             |           |                |                          |                            |         |         |   |                                   |                                  |             |                                  |           |                        |
|--------|-------------------------------------|-----------------------|----------------------|-------------|-----------|----------------|--------------------------|----------------------------|---------|---------|---|-----------------------------------|----------------------------------|-------------|----------------------------------|-----------|------------------------|
|        |                                     |                       | Building             |             |           |                |                          |                            |         |         |   |                                   | Conservation and development     |             |                                  |           |                        |
|        |                                     |                       | Residential          |             |           | Nonresidential |                          |                            |         |         |   |                                   | River, harbor, and flood control |             | Highways                         |           | All other <sup>4</sup> |
|        |                                     |                       | Total                | Residential | Total     | Total          | Educational <sup>5</sup> | Hospital and institutional |         |         | Administrative and general <sup>6</sup> | Other nonresidential <sup>7</sup> | Total                            | Reclamation | River, harbor, and flood control | Highways  |                        |
| 1935   | \$1,478,073                         | (0)                   | \$442,782            | \$7,833     | \$434,949 | (0)            | (0)                      | (0)                        | (0)     | (0)     | (0)                                     | (0)                               | \$438,725                        | \$158,027   | \$280,698                        | \$381,037 | \$215,529              |
| 1936   | 1,533,439                           | (0)                   | 561,394              | 63,405      | 497,929   | 124            | (0)                      | (0)                        | (0)     | (0)     | (0)                                     | (0)                               | 189,710                          | 73,797      | 115,913                          | 511,685   | 270,650                |
| 1937   | 990,410                             | (0)                   | 344,477              | 17,239      | 327,328   | (0)            | (0)                      | (0)                        | (0)     | (0)     | (0)                                     | (0)                               | 133,010                          | 59,051      | 73,959                           | 360,665   | 151,968                |
| 1938   | 1,609,208                           | (0)                   | 676,542              | 31,809      | 644,733   | (0)            | (0)                      | (0)                        | (0)     | (0)     | (0)                                     | (0)                               | 303,874                          | 175,382     | 128,492                          | 372,238   | 256,554                |
| 1939   | 1,586,604                           | \$4,753               | 669,222              | 231,071     | 438,151   | (0)            | (0)                      | (0)                        | (0)     | (0)     | (0)                                     | (0)                               | 225,423                          | 115,612     | 109,811                          | 355,701   | 331,505                |
| 1940   | 2,316,467                           | 137,112               | 1,537,910            | 244,671     | 1,293,239 | (0)            | (0)                      | (0)                        | (0)     | (0)     | (0)                                     | (0)                               | 197,582                          | 69,022      | 128,561                          | 304,948   | 79,808                 |
| 1941   | 5,931,536                           | 499,427               | 4,422,130            | 322,248     | 4,099,883 | (0)            | (0)                      | (0)                        | (0)     | (0)     | (0)                                     | (0)                               | 199,684                          | 41,884      | 157,804                          | 446,903   | 363,391                |
| 1942   | 7,775,497                           | 579,176               | 6,130,389            | 549,472     | 5,580,917 | (0)            | (0)                      | (0)                        | (0)     | (0)     | (0)                                     | (0)                               | 217,795                          | 150,708     | 67,082                           | 347,898   | 500,149                |
| 1943   | 2,506,786                           | 243,111               | 1,698,079            | 371,322     | 1,322,757 | (0)            | (0)                      | (0)                        | (0)     | (0)     | (0)                                     | (0)                               | 155,737                          | 101,278     | 64,077                           | 161,852   | 247,673                |
| 1944   | 1,289,265                           | 10,872                | 875,000              | 101,491     | 733,511   | (0)            | (0)                      | (0)                        | (0)     | (0)     | (0)                                     | (0)                               | 112,115                          | 45,679      | 45,736                           | 88,882    | 87,508                 |
| 1945   | 902,312                             | 15,008                | 504,748              | 445,647     | 119,096   | \$14,664       | \$14,281                 | \$0,032                    | \$5,249 | \$9,713 | \$80,478                                | \$0,000                           | 206,163                          | 149,870     | 140,293                          | 53,653    | 45,595                 |
| 1946   | 1,450,312                           | 25,075                | 278,698              | 51,309      | 227,389   | 47,750         | 101,992                  | 96,140                     | 5,852   | 32,550  | 45,097                                  | 307,605                           | 75,480                           | 232,212     | 659,645                          | 26,902    |                        |
| 1947   | 1,299,015                           | 26,075                | 358,809              | 8,355       | 350,454   | 1,424          | 263,296                  | 168,616                    | 94,808  | 29,926  | 55,898                                  | 494,871                           | 147,732                          | 347,139     | 767,460                          | 45,440    |                        |
| 1948   | 1,722,157                           | 55,577                | 1,036,036            | 1,041,317   | 1,041,317 | 1,041          | 353,671                  | 123,967                    | 229,704 | 88,856  | 164,743                                 | 601,937                           | 189,183                          | 312,754     | 690,469                          | 56,759    |                        |
| 1949   | 1,937,110                           | 49,317                | 638,628              | 30,317      | 608,311   | 1,041          | 353,671                  | 123,967                    | 229,704 | 88,856  | 164,743                                 | 601,937                           | 189,183                          | 312,754     | 690,469                          | 56,759    |                        |
| 1948:  | January                             | 119,951               | 892                  | 14,684      | 149       | 14,535         | 306                      | 8,945                      | 8,626   | 319     | 1,974                                   | 3,310                             | 54,115                           | 4,876       | 49,239                           | 47,696    | 2,564                  |
|        | February                            | 165,435               | 1,586                | 47,127      | 860       | 46,272         | 164                      | 41,781                     | 41,557  | 224     | 1,735                                   | 2,592                             | 51,119                           | 1,229       | 63,890                           | 51,194    | 1,404                  |
|        | March                               | 149,480               | 5,675                | 66,262      | 60        | 66,202         | 257                      | 59,417                     | 56,214  | 3,203   | 1,229                                   | 5,299                             | 22,439                           | 6,639       | 15,800                           | 51,582    | 5,322                  |
|        | April                               | 161,316               | 3,850                | 10,245      | 562       | 9,683          | 12                       | 7,723                      | 5,049   | 724     | 1,871                                   | 2,027                             | 84,888                           | 56,984      | 27,904                           | 58,247    | 4,086                  |
|        | May                                 | 120,771               | 5,634                | 26,538      | 463       | 26,075         | 468                      | 21,783                     | 20,044  | 1,739   | 1,869                                   | 1,955                             | 10,495                           | 4,495       | 4,738                            | 5,757     | 75,645                 |
|        | June                                | 146,665               | 4,930                | 43,918      | 790       | 43,128         | 92                       | 19,201                     | 13,870  | 5,325   | 9,735                                   | 14,100                            | 24,564                           | 8,887       | 15,677                           | 68,569    | 4,684                  |
|        | July                                | 147,509               | 5,251                | 17,405      | 272       | 17,133         | 61                       | 11,887                     | 1,697   | 10,190  | 1,413                                   | 3,827                             | 41,947                           | 1,327       | 40,460                           | 76,428    | 6,478                  |
|        | August                              | 136,447               | 6,616                | 77,770      | 119       | 13,651         | 4                        | 10,453                     | 8,727   | 9,581   | 1,054                                   | 2,140                             | 22,505                           | 4,269       | 18,236                           | 91,310    | 2,246                  |
|        | September                           | 134,778               | 8,142                | 27,699      | 66        | 27,633         | 31                       | 19,711                     | 13,287  | 2,454   | 3,184                                   | 5,707                             | 29,191                           | 2,959       | 26,232                           | 65,975    | 3,771                  |
|        | October                             | 146,999               | 3,678                | 44,369      | 785       | 43,584         | 0                        | 36,316                     | 6,498   | 29,818  | 3,312                                   | 3,956                             | 37,158                           | 19,371      | 17,787                           | 55,747    | 6,047                  |
|        | November                            | 118,263               | 3,792                | 21,751      | 2,374     | 19,377         | 84                       | 11,830                     | 8,084   | 6,572   | 3,409                                   | 13,895                            | 21,514                           | 51,972      | 53,339                           |           |                        |
|        | December                            | 174,543               | 5,531                | 26,100      | 1,855     | 23,181         | 0                        | 17,199                     | 460     | 17,659  | 4,323                                   | 67,041                            | 22,555                           | 44,483      | 74,095                           | 2,840     |                        |
| 1949:  | January                             | 94,454                | 5,520                | 37,817      | 101       | 37,716         | 148                      | 8,192                      | 428     | 7,764   | 25,008                                  | 4,308                             | 15,141                           | 7,596       | 7,545                            | 34,465    | 1,511                  |
|        | February                            | 98,637                | 242                  | 49,970      | 1,970     | 40,427         | 635                      | 12,651                     | 5,477   | 7,173   | 4,422                                   | 4,422                             | 30,083                           | 20,490      | 18,450                           | 42,357    | 2,966                  |
|        | March                               | 176,245               | 4,288                | 38,304      | 1,773     | 36,531         | 0                        | 26,663                     | 17,051  | 1,151   | 8,121                                   | 84,342                            | 22,546                           | 61,706      | 41,646                           | 7,665     |                        |
|        | April                               | 131,071               | 4,212                | 31,698      | 2,808     | 29,720         | 18                       | 21,753                     | 1,204   | 20,184  | 1,649                                   | 39,394                            | 18,538                           | 21,121      | 52,522                           | 3,177     |                        |
|        | May                                 | 229,444               | 7,579                | 55,903      | 6,445     | 45,748         | 20,974                   | 10,045                     | 22,024  | 13,528  | 8,111                                   | 88,536                            | 61,031                           | 27,779      | 83,779                           | 5,913     |                        |
|        | June                                | 206,661               | 12,202               | 114,534     | 14,955    | 99,579         | 0                        | 64,985                     | 14,814  | 50,171  | 10,564                                  | 24,030                            | 60,530                           | 26,603      | 927                              | 80,348    | 8,987                  |
|        | July                                | 140,067               | 4,818                | 35,218      | 821       | 34,297         | 10                       | 22,756                     | 202     | 22,554  | 2,018                                   | 6,613                             | 22,115                           | 6,822       | 15,293                           | 75,448    | 2,408                  |
|        | August                              | 233,211               | 3,385                | 95,088      | 49        | 95,039         | 140                      | 43,544                     | 25,492  | 18,052  | 9,669                                   | 9,386                             | 52,304                           | 12,375      | 30,929                           | 79,020    | 3,314                  |
|        | September                           | 173,519               | 1,902                | 79,526      | 446       | 79,080         | 0                        | 56,125                     | 26,500  | 29,625  | 5,326                                   | 22,417                            | 25,050                           | 14,559      | 10,500                           | 63,035    | 3,997                  |
|        | October                             | 102,474               | 3,413                | 35,576      | 672       | 34,904         | 0                        | 15,004                     | 8,737   | 6,267   | 4,333                                   | 15,567                            | 12,914                           | 1,091       | 11,823                           | 49,910    | 6,611                  |
|        | November                            | 116,346               | 700                  | 25,964      | 9         | 25,955         | 60                       | 16,600                     | 7,387   | 9,213   | 5,308                                   | 3,987                             | 42,186                           | 5,677       | 36,709                           | 38,100    | 9,306                  |
|        | December                            | 136,105               | 1,252                | 50,591      | 377       | 50,214         | 0                        | 42,150                     | 23,069  | 19,081  | 1,045                                   | 7,019                             | 13,879                           | 8,516       | 36,629                           | 6,754     |                        |
| 1950:  | January                             | 122,600               | 4,383                | 42,805      | 86        | 42,719         | 144                      | 27,477                     | 19,328  | 8,149   | 12,805                                  | 2,293                             | 25,578                           | 17,933      | 7,645                            | 40,998    | 8,836                  |
|        | February                            | 111,613               | 2,859                | 34,865      | 127       | 34,738         | 138                      | 30,676                     | 17,302  | 13,374  | 1,052                                   | 2,872                             | 25,537                           | 7,087       | 18,450                           | 42,357    | 5,955                  |
|        | March                               | 203,333               | 7,997                | 26,584      | 1,036     | 25,548         | 20                       | 19,901                     | 14,391  | 5,510   | 3,457                                   | 2,170                             | 101,266                          | 69,797      | 31,469                           | 61,026    | 6,460                  |
|        | April                               | 135,352               | 5,550                | 43,310      | 717       | 42,593         | 70                       | 33,797                     | 21,459  | 14,338  | 2,364                                   | 4,362                             | 19,063                           | 2,763       | 16,300                           | 63,453    | 3,970                  |
|        | May                                 | 201,404               | 3,258                | 43,407      | 1,109     | 42,988         | 0                        | 27,558                     | 13,209  | 12,549  | 2,274                                   | 12,296                            | 67,473                           | 7,726       | 59,747                           | 80,618    | 6,648                  |
|        | June                                | 303,440               | 3,066                | 98,715      | 3,502     | 95,213         | 1,430                    | 41,655                     | 7,629   | 34,026  | 25,187                                  | 26,941                            | 76,898                           | 43,620      | 33,278                           | 110,963   | 13,708                 |
|        | July                                | 141,699               | 2,929                | 42,952      | 610       | 42,342         | 616                      | 31,177                     | 8,007   | 23,170  | 2,172                                   | 8,377                             | 13,474                           | 10,531      | 2,943                            | 77,869    | 4,475                  |
|        | August <sup>10</sup>                | 133,381               | 2,709                | 25,717      | 33        | 25,684         | 174                      | 11,595                     | 200     | 11,395  | 1,732                                   | 12,183                            | 15,516                           | 8,364       | 7,152                            | 83,292    | 6,147                  |
|        | September <sup>10</sup>             | 146,393               | (0)                  | 57,338      | 1,030     | 56,308         | 0                        | 18,557                     | 12,793  | 5,764   | 636                                     | 37,115                            | 13,450                           | 9,703       | 3,747                            | 71,399    | 4,206                  |

<sup>1</sup> Excludes projects classified as "secret" by the military, and all construction for the Atomic Energy Commission. Data for Federal-aid programs cover amounts contributed by both the owner and the Federal Government. Force-account work is done, not through a contractor, but directly by a government agency, using a separate work force to perform maintenance and repair on the agency's own properties.

<sup>2</sup> Includes hangars and other buildings, which are included under "Other nonresidential" building construction.

<sup>3</sup> Includes educational facilities under the Federal temporary re-use educational facilities program.

<sup>4</sup> Includes post offices, armories, offices, and customhouses. Includes contract awards for construction at United Nations Headquarters in New York City, the principal awards having been for the Secretariat Building (January 1949; \$23,810,000), for the Meeting Hall (January 1950; \$11,238,000), and for the General Assembly Building (June 1950; \$10,704,000).

<sup>5</sup> Includes electrification projects, water-supply and sewage-disposal systems, forest-fire projects, railroad construction, and other types of projects not elsewhere classified.

<sup>6</sup> Included in "All other."

<sup>7</sup> Unavailable.

<sup>8</sup> Revised.

<sup>9</sup> Preliminary.

TABLE F-3: Urban Building Authorized, by Principal Class of Construction and by Type of Building<sup>1</sup>

| Period              | Total all classes <sup>2</sup> | Valuation (in thousands)          |           |                       |                           |            |           | Number of new dwelling units—Housekeeping only |                    |         |         |            |         |        |  |
|---------------------|--------------------------------|-----------------------------------|-----------|-----------------------|---------------------------|------------|-----------|--|--------------------|---------|---------|------------|---------|--------|--|
|                     |                                | New residential building          |           |                       |                           | Publ. fin. | Non-hous- | Addi-  | Privately financed |         |         |            |         |        |  |
|                     |                                | Housekeeping                      |           |                       |                           |            |           |  | dwelling units     | resi-   | tions,  | Total      |         |        |  |
|                     |                                | Privately financed dwelling units |           |                       |                           |            |           |  |                    |         |         |            |         |        |  |
|                     |                                | Total                             | 1-family  | 2-family <sup>3</sup> | Multi-family <sup>4</sup> |            |           |  |                    |         |         | Publ. fin. |         |        |  |
| 1942                | \$2,707,573                    | \$598,570                         | \$478,658 | \$42,629              | \$77,283                  | \$296,933  | \$22,910  | \$1,510,688                                    | \$275,472          | 184,802 | 138,908 | 15,747     | \$0,237 | 95,946 |  |
| 1946                | 4,743,414                      | 2,114,833                         | 1,830,260 | 103,042               | 181,581                   | 355,587    | 43,369    | 1,458,602                                      | 771,023            | 430,195 | 358,151 | 24,326     | 47,718  | 98,310 |  |
| 1947                | 5,561,754                      | 2,892,003                         | 2,382,600 | 136,757               | 372,646                   | 355,177    | 29,831    | 1,712,817                                      | 801,926            | 503,064 | 393,720 | 34,105     | 75,269  | 8,100  |  |
| 1948                | 6,971,576                      | 3,422,937                         | 2,745,219 | 181,403               | 498,225                   | 139,326    | 38,034    | 2,386,730                                      | 1,004,549          | 516,179 | 392,532 | 36,306     | 87,341  | 15,113 |  |
| 1949 <sup>5</sup>   | 7,379,890                      | 3,717,215                         | 2,839,222 | 132,332               | 745,661                   | 285,419    | 39,727    | 2,400,603                                      | 933,845            | 574,150 | 412,656 | 26,415     | 135,119 | 32,140 |  |
| 1949: August        | 683,894                        | 368,133                           | 278,286   | 11,004                | 78,843                    | 12,889     | 3,074     | 207,335  | 82,467             | 57,051  | 40,340  | 2,282      | 14,429  | 1,507  |  |
| September           | 722,056                        | 401,483                           | 302,255   | 12,119                | 87,049                    | 17,825     | 3,144     | 215,605  | 84,049             | 61,315  | 43,982  | 2,316      | 17,018  | 2,118  |  |
| October             | 678,540                        | 376,556                           | 297,200   | 13,803                | 65,463                    | 18,987     | 3,635     | 196,076  | 83,280             | 57,320  | 41,704  | 2,747      | 12,779  | 2,284  |  |
| November            | 619,910                        | 353,262                           | 292,227   | 16,626                | 50,409                    | 18,482     | 2,662     | 181,081  | 64,423             | 52,357  | 41,662  | 2,095      | 8,700   | 2,037  |  |
| December            | 559,540                        | 276,820                           | 218,831   | 9,838                 | 48,131                    | 10,350     | 4,699     | 212,214  | 55,487             | 43,363  | 31,349  | 1,984      | 10,030  | 1,287  |  |
| 1950: January       | 888,374                        | 315,529                           | 243,446   | 11,354                | 60,729                    | 8,564      | 2,421     | 166,233  | 65,627             | 49,128  | 36,041  | 2,287      | 10,800  | 868    |  |
| February            | 572,464                        | 382,248                           | 285,164   | 11,888                | 57,196                    | 1,506      | 2,971     | 156,049  | 59,690             | 52,818  | 40,200  | 2,377      | 10,241  | 177    |  |
| March               | 835,618                        | 545,665                           | 442,035   | 21,040                | 82,590                    | 9,197      | 9,011     | 205,704  | 86,041             | 79,408  | 59,785  | 4,209      | 15,414  | 1,135  |  |
| April               | 920,983                        | 577,757                           | 482,238   | 17,778                | 77,741                    | 13,591     | 4,725     | 237,412  | 87,498             | 81,207  | 63,478  | 3,203      | 14,526  | 1,626  |  |
| May                 | 1,062,337                      | 643,980                           | 534,758   | 20,000                | 89,231                    | 27,995     | 31,184    | 258,355  | 106,814            | 88,642  | 69,377  | 3,859      | 15,406  | 3,269  |  |
| June                | 1,011,211                      | 613,848                           | 518,377   | 15,421                | 80,050                    | 6,209      | 5,092     | 273,149  | 112,913            | 82,862  | 66,877  | 2,828      | 13,157  | 677    |  |
| July <sup>6</sup>   | 1,060,627                      | 590,243                           | 512,763   | 17,406                | 60,074                    | 41,998     | 7,935     | 308,622  | 111,829            | 79,589  | 64,613  | 3,130      | 11,846  | 4,590  |  |
| August <sup>7</sup> | 1,081,362                      | 603,717                           | 500,978   | 17,478                | 85,261                    | 32,354     | 8,600     | 322,312  | 114,289            | 78,607  | 61,655  | 3,003      | 13,949  | 3,433  |  |

<sup>1</sup> Building for which building permits were issued and Federal contracts awarded in all urban places, including an estimate of building undertaken in some smaller urban places that do not issue permits.

The data cover federally and nonfederally financed building construction combined. Estimates of non-Federal (private and State and local government) urban building construction are based primarily on building-permit reports received from places containing about 85 percent of the urban population of the country; estimates of federally financed projects are compiled from notifications of construction contracts awarded, which are obtained from other Federal agencies. Data from building permits are not adjusted to allow for lapsed permits or for lag between permit issuance and the start of construction. Thus, the estimates do not represent construction actually started during the month.

Urban, as defined by the Bureau of the Census, covers all incorporated places of 2,500 population or more in 1940, and, by special rule, a small number of unincorporated civil divisions.

<sup>2</sup> Covers additions, alterations, and repairs, as well as new residential and nonresidential building.

<sup>3</sup> Includes units in 1-family and 2-family structures with stores.

<sup>4</sup> Includes units in multifamily structures with stores.

<sup>5</sup> Covers hotels, dormitories, tourist cabins, and other nonhousekeeping residential buildings.

<sup>6</sup> Preliminary data for 1949 include revisions which do not appear in data shown for January through December. Revised monthly data will appear in a subsequent issue of the Monthly Labor Review.

<sup>7</sup> Revised.

<sup>8</sup> Preliminary.

TABLE F-4: New Nonresidential Building Authorized in All Urban Places,<sup>1</sup> by General Type and by Geographic Division<sup>2</sup>

| Geographic division and type of new nonresidential building | Valuation (in thousands) |           |           |           |           |           |           |           |           |           |           |           |           |             | 1949*       |        | 1948 |  |
|---|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|--------|------|--|
|   | 1950                     |           |           |           |           |           |           | 1949      |           |           |           |           |           |             | 1949*       |        | 1948 |  |
|   | Aug.                     | July      | June      | May       | Apr.      | Mar.      | Feb.      | Jan.      | Dec.      | Nov.      | Oct.      | Sept.     | Aug.      | Total       | Total       |        |      |  |
| All types   | \$322,312                | \$308,622 | \$273,149 | \$258,355 | \$237,412 | \$205,704 | \$166,049 | \$166,233 | \$212,214 | \$181,081 | \$196,076 | \$215,605 | \$207,335 | \$2,400,603 | \$2,266,730 |        |      |  |
| New England   | 20,665                   | 19,988    | 12,586    | 17,078    | 15,648    | 10,377    | 17,552    | 17,361    | 13,085    | 6,467     | 7,178     | 12,194    | 10,152    | 113,834     | 148,039     |        |      |  |
| Middle Atlantic   | 39,971                   | 47,472    | 45,928    | 41,984    | 32,117    | 25,617    | 20,195    | 32,357    | 37,597    | 35,105    | 35,337    | 33,335    | 37,961    | 434,807     | 392,374     |        |      |  |
| East North Central  | 68,851                   | 61,510    | 61,794    | 59,853    | 68,708    | 47,228    | 28,424    | 25,693    | 39,629    | 29,027    | 50,274    | 44,351    | 34,351    | 203,495     | 173,182     |        |      |  |
| West North Central  | 27,321                   | 25,806    | 32,526    | 24,910    | 22,186    | 15,938    | 20,746    | 6,974     | 15,094    | 15,227    | 14,153    | 14,542    | 17,666    | 206,418     | 269,427     |        |      |  |
| South Atlantic  | 39,304                   | 38,081    | 31,927    | 33,230    | 28,185    | 26,581    | 22,332    | 23,164    | 21,362    | 24,530    | 25,963    | 23,330    | 19,614    | 306,418     | 306,418     |        |      |  |
| East South Central  | 12,168                   | 16,570    | 12,568    | 9,264     | 18,482    | 10,637    | 10,506    | 12,586    | 9,124     | 11,748    | 8,027     | 13,155    | 15,638    | 129,686     | 100,715     |        |      |  |
| West South Central  | 45,600                   | 39,673    | 33,159    | 27,795    | 22,864    | 24,513    | 16,080    | 23,529    | 16,894    | 18,419    | 24,130    | 19,598    | 29,701    | 269,915     | 274,693     |        |      |  |
| Mountain  | 15,341                   | 9,413     | 8,518     | 7,740     | 6,971     | 16,307    | 16,740    | 23,529    | 10,478    | 13,789    | 5,344     | 10,256    | 7,676     | 102,208     | 83,458      |        |      |  |
| Pacific   | 53,061                   | 50,110    | 31,272    | 36,931    | 29,921    | 30,496    | 24,548    | 23,219    | 28,737    | 26,591    | 25,670    | 22,476    | 27,033    | 348,780     | 412,108     |        |      |  |
| <b>Industrial buildings<sup>3</sup></b>                     |                          |           |           |           |           |           |           |           |           |           |           |           |           |             |             |        |      |  |
| New England   | 31,203                   | 29,604    | 20,893    | 18,962    | 15,333    | 11,856    | 14,008    | 14,852    | 10,896    | 18,792    | 17,160    | 15,617    | 202,440   | 299,266     |             |        |      |  |
| Middle Atlantic   | 2,173                    | 1,282     | 928       | 1,225     | 1,415     | 431       | 328       | 190       | 321       | 209       | 202       | 362       | 6,357     | 19,839      |             |        |      |  |
| East North Central  | 592                      | 10,972    | 3,927     | 5,219     | 2,734     | 3,000     | 1,406     | 3,522     | 1,804     | 2,250     | 5,111     | 2,201     | 2,743     | 40,367      | 65,911      |        |      |  |
| West North Central  | 9,488                    | 7,005     | 9,077     | 6,955     | 6,217     | 5,457     | 4,706     | 4,455     | 8,442     | 3,909     | 5,462     | 8,275     | 5,674     | 77,037      | 100,035     |        |      |  |
| South Atlantic  | 2,906                    | 2,223     | 1,109     | 2,200     | 1,329     | 844       | 984       | 709       | 785       | 792       | 956       | 2,328     | 1,180     | 15,689      | 15,908      |        |      |  |
| East South Central  | 1,619                    | 1,297     | 3,208     | 778       | 1,201     | 1,019     | 482       | 864       | 1,149     | 841       | 2,529     | 942       | 1,389     | 18,132      | 27,778      |        |      |  |
| West South Central  | 1,000                    | 1,888     | 417       | 234       | 1,708     | 1,264     | 885       | 416       | 753       | 170       | 180       | 706       | 1,145     | 8,736       | 9,054       |        |      |  |
| Mountain  | 2,332                    | 2,025     | 1,411     | 691       | 1,664     | 851       | 783       | 1,262     | 308       | 406       | 1,117     | 249       | 493       | 8,859       | 15,864      |        |      |  |
| Pacific   | 592                      | 161       | 1,420     | 288       | 330       | 349       | 90        | 135       | 113       | 320       | 242       | 345       | 100       | 4,264       | 2,770       |        |      |  |
| <b>Commercial buildings<sup>4</sup></b>                     |                          |           |           |           |           |           |           |           |           |           |           |           |           |             |             |        |      |  |
| New England   | 124,023                  | 96,008    | 97,172    | 90,895    | 83,198    | 85,507    | 85,559    | 61,799    | 82,093    | 59,205    | 67,403    | 73,899    | 73,747    | 751,775     | 926,551     |        |      |  |
| Middle Atlantic   | 3,270                    | 5,170     | 4,767     | 6,327     | 6,241     | 4,348     | 1,379     | 1,785     | 2,094     | 1,849     | 5,955     | 5,513     | 5,041     | 95,564      | 55,960      |        |      |  |
| East North Central  | 18,171                   | 12,599    | 16,498    | 12,825    | 13,228    | 11,071    | 10,059    | 22,522    | 10,388    | 9,618     | 9,955     | 14,866    | 13,905    | 127,033     | 135,210     |        |      |  |
| West North Central  | 24,797                   | 20,370    | 21,683    | 18,857    | 20,242    | 16,952    | 9,930     | 7,558     | 10,119    | 9,991     | 16,635    | 15,407    | 14,542    | 119,777     | 177,322     |        |      |  |
| South Atlantic  | 16,084                   | 7,720     | 8,813     | 10,780    | 10,371    | 8,209     | 3,454     | 5,188     | 8,818     | 8,644     | 4,170     | 4,604     | 5,297     | 72,808      | 72,808      |        |      |  |
| East South Central  | 4,720                    | 5,255     | 6,662     | 4,060     | 3,512     | 3,395     | 2,893     | 2,477     | 2,879     | 2,759     | 8,299     | 8,291     | 10,104    | 11,552      | 10,391      |        |      |  |
| West South Central  | 21,801                   | 16,006    | 12,645    | 11,236    | 10,431    | 10,144    | 6,298     | 10,509    | 11,680    | 10,522    | 9,022     | 10,125    | 10,075    | 126,064     |             |        |      |  |
| Mountain  | 6,995                    | 3,948     | 3,425     | 3,692     | 3,630     | 5,360     | 5,360     | 4,070     | 1,714     | 1,446     | 1,393     | 2,167     | 3,059     | 25,094      | 35,274      |        |      |  |
| Pacific   | 17,216                   | 12,541    | 11,568    | 11,440    | 14,187    | 12,540    | 7,554     | 7,103     | 8,433     | 9,800     | 10,148    | 9,278     | 9,013     | 119,895     | 165,361     |        |      |  |
| <b>Community buildings<sup>5</sup></b>                      |                          |           |           |           |           |           |           |           |           |           |           |           |           |             |             |        |      |  |
| New England   | 122,975                  | 134,254   | 102,798   | 111,558   | 107,270   | 88,294    | 74,544    | 68,718    | 74,737    | 73,706    | 98,681    | 96,164    | 1,005,376 | 788,601     |             |        |      |  |
| Middle Atlantic   | 11,458                   | 11,913    | 9,437     | 9,301     | 5,757     | 4,977     | 15,335    | 14,515    | 4,622     | 3,110     | 586       | 4,783     | 5,385     | 42,313      | 47,235      |        |      |  |
| East North Central  | 13,932                   | 17,345    | 12,940    | 19,158    | 12,297    | 9,544     | 7,370     | 3,744     | 44,000    | 20,452    | 14,109    | 13,731    | 15,845    | 176,009     | 153,423     |        |      |  |
| West North Central  | 22,349                   | 25,077    | 24,024    | 24,807    | 42,280    | 20,053    | 9,967     | 10,150    | 15,451    | 10,110    | 21,923    | 16,015    | 15,428    | 200,974     | 154,846     |        |      |  |
| South Atlantic  | 17,467                   | 20,574    | 6,034     | 18,594    | 13,399    | 12,586    | 8,320     | 15,470    | 7,344     | 6,942     | 7,464     | 10,224    | 7,050     | 101,126     | 80,384      |        |      |  |
| East South Central  | 18,466                   | 18,795    | 14,177    | 10,600    | 7,273     | 8,798     | 6,728     | 7,061     | 8,613     | 6,451     | 7,499     | 7,074     | 18,452    | 135,125     | 106,208     |        |      |  |
| West South Central  | 4,536                    | 3,871     | 2,022     | 2,387     | 1,564     | 9,787     | 1,142     | 746       | 7,692     | 8,852     | 2,940     | 5,452     | 3,722     | 58,773      | 34,577      |        |      |  |
| Mountain  | 23,852                   | 17,926    | 10,311    | 15,024    | 13,356    | 9,293     | 11,173    | 9,137     | 7,512     | 6,011     | 8,461     | 8,600     | 11,592    | 123,204     | 121,360     |        |      |  |
| Pacific   | 6,761                    | 15,459    | 24,044    | 5,438     | 5,556     | 1,542     | 4,159     | 2,490     | 16,223    | 12,700    | 9,689     | 3,904     | 2,761     | 150,075     | 74,414      |        |      |  |
| <b>Public works and utility buildings<sup>6</sup></b>       |                          |           |           |           |           |           |           |           |           |           |           |           |           |             |             |        |      |  |
| New England   | 53                       | 216       | 430       | 90        | 542       | 0         | 0         | 158       | 2,040     | 185       | 154       | 128       | 18        | 4,803       | 5,966       |        |      |  |
| Middle Atlantic   | 349                      | 211       | 9,602     | 992       | 734       | 110       | 52        | 52        | 2,784     | 747       | 3,851     | 107       | 409       | 33,598      | 8,890       |        |      |  |
| East North Central  | 382                      | 1,561     | 3,411     | 663       | 33        | 234       | 177       | 268       | 2,792     | 332       | 1,816     | 175       | 534       | 8,156       | 11,352      |        |      |  |
| West North Central  | 656                      | 61        | 1,002     | 262       | 425       | 58        | 300       | 192       | 1,571     | 244       | 441       | 178       | 449       | 9,532       | 5,438       |        |      |  |
| South Atlantic  | 3,820                    | 952       | 4,201     | 98        | 1,337     | 68        | 1,823     | 369       | 1,748     | 5,867     | 1,377     | 937       | 0         | 500         | 6,257       | 8,936  |      |  |
| East South Central  | 145                      | 0         | 318       | 92        | 331       | 0         | 0         | 0         | 18        | 0         | 0         | 0         | 0         | 0           | 6,041       | 6,132  |      |  |
| West South Central  | 185                      | 573       | 1,859     | 145       | 954       | 477       | 71        | 126       | 146       | 243       | 774       | 229       | 0         | 1,371       | 5,327       | 4,968  |      |  |
| Mountain  | 247                      | 0         | 1,123     | 235       | 70        | 15        | 56        | 54        | 799       | 2,059     | 28        | 1,371     | 5         | 0           | 0           | 0      |      |  |
| Pacific   | 925                      | 10,885    | 2,098     | 2,862     | 1,130     | 581       | 1,682     | 771       | 6,845     | 3,372     | 1,249     | 2,700     | 2,700     | 2,700       | 27,297      | 15,070 |      |  |
| <b>All other buildings<sup>7</sup></b>                      |                          |           |           |           |           |           |           |           |           |           |           |           |           |             |             |        |      |  |
| New England   | 27,397                   | 24,234    | 18,152    | 22,890    | 17,022    | 12,450    | 8,478     | 10,219    | 8,284     | 11,629    | 15,061    | 15,435    | 12,701    | 131,896     | 129,197     |        |      |  |
| Middle Atlantic   | 2,305                    | 2,389     | 2,636     | 2,405     | 1,792     | 1,360     | 1,002     | 1,195     | 808       | 1,438     | 2,628     | 2,382     | 1,592     | 18,336      | 15,490      |        |      |  |
| East North Central  | 7,545                    | 5,738     | 4,729     | 6,223     | 4,512     | 2,245     | 1,531     | 871       | 1,809     | 2,632     | 4,050     | 4,665     | 3,836     | 35,460      | 32,430      |        |      |  |
| West North Central  | 2,176                    | 7,056     | 1,870     | 2,765     | 1,674     | 1,408     | 501       | 238       | 747       | 1,115     | 1,647     | 1,867     | 1,517     | 13,634      | 11,691      |        |      |  |
| South Atlantic  | 3,088                    | 1,580     | 1,650     | 1,489     | 1,164     | 910       | 1,146     | 685       | 685       | 738       | 689       | 677       | 9,254     | 9,390       |             |        |      |  |
| East South Central  | 511                      | 605       | 345       | 554       | 1,102     | 516       | 375       | 3,303     | 241       | 888       | 362       | 349       | 304       | 4,027       | 3,240       |        |      |  |
| West South Central  | 3,647                    | 2,127     | 2,210     | 3,884     | 1,730     | 1,580     | 1,916     | 1,062     | 957       | 887       | 1,703     | 828       | 961       | 9,918       | 7,606       |        |      |  |
| Mountain  | 2,611                    | 1,063     | 1,055     | 697       | 962       | 594       | 3,099     | 327       | 538       | 985       | 604       | 703       | 627       | 6,184       | 4,817       |        |      |  |
| Pacific   | 4,536                    | 2,759     | 2,846     | 3,786     | 2,962     | 3,451     | 1,909     | 1,704     | 2,004     | 2,177     | 2,233     | 2,728     | 2,492     | 27,328      | 36,552      |        |      |  |

<sup>1</sup> Building for which permits were issued and Federal contracts awarded in all urban places, including an estimate of building undertaken in some smaller urban places that do not issue permits. Sums of components do not always equal totals exactly because of rounding.

<sup>2</sup> For scope and source of urban estimates, see table F-3, footnote 1.

<sup>3</sup> Totals for 1949 include revisions which do not appear in data shown for January through December. Revised monthly data will appear in a subsequent issue of the Monthly Labor Review.

<sup>4</sup> Preliminary.

<sup>5</sup> Revised.

<sup>6</sup> Includes factories, navy yards, army ordnance plants, bakeries, ice plants, industrial warehouses, and other buildings at the site of these and similar production plants.

<sup>7</sup> Includes amusement and recreation buildings, stores and other mercantile buildings, commercial garages, gasoline and service stations, etc.

<sup>8</sup> Includes churches, hospitals, and other institutional buildings, schools, libraries, etc.

<sup>9</sup> Includes Federal, State, county, and municipal buildings, such as post offices, courthouses, city halls, fire and police stations, jails, prisons, arsenals, armories, army barracks, etc.

<sup>10</sup> Includes railroad, bus and airport buildings, roundhouses, radio stations, gas and electric plants, public comfort stations, etc.

<sup>11</sup> Includes private garages, sheds, stables and barns, and other buildings not elsewhere classified.

TABLE F-5: Number and Construction Cost of New Permanent Nonfarm Dwelling Units Started, by Urban or Rural Location, and by Source of Funds<sup>1</sup>

| Period              | Number of new dwelling units started |         |                |                    |         |                |                   |        |                | Estimated construction cost<br>(in thousands) <sup>2</sup> |                    |                   |
|---------------------|--------------------------------------|---------|----------------|--------------------|---------|----------------|-------------------|--------|----------------|--|--------------------|-------------------|
|                     | All units                            |         |                | Privately financed |         |                | Publicly financed |        |                |  |                    |                   |
|                     | Total non-farm                       | Urban   | Rural non-farm | Total non-farm     | Urban   | Rural non-farm | Total non-farm    | Urban  | Rural non-farm | Total  | Privately financed | Publicly financed |
| 1925                | 937,000                              | 752,000 | 185,000        | 937,000            | 752,000 | 185,000        | 0                 | 0      | 0              | \$4,475,000  | \$4,475,000        | 0                 |
| 1933 <sup>3</sup>   | 93,000                               | 45,000  | 48,000         | 93,000             | 45,000  | 48,000         | 0                 | 0      | 0              | 285,446  | 285,446            | 0                 |
| 1941 <sup>4</sup>   | 706,100                              | 434,300 | 271,800        | 619,500            | 369,500 | 250,000        | 86,600            | 64,800 | 21,800         | 2,825,893  | 2,530,765          | \$295,130         |
| 1944 <sup>5</sup>   | 141,800                              | 95,200  | 45,600         | 138,700            | 93,200  | 45,500         | 3,100             | 3,000  | 100            | 495,054  | 483,231            | 11,823            |
| 1946                | 670,500                              | 403,700 | 266,800        | 662,500            | 395,700 | 266,800        | 8,000             | 8,000  | 0              | 3,769,767  | 3,713,776          | 55,991            |
| 1947                | 849,000                              | 479,800 | 369,200        | 845,600            | 476,400 | 369,200        | 3,400             | 3,400  | 0              | 5,642,798  | 5,617,425          | 25,373            |
| 1948                | 931,600                              | 524,900 | 406,700        | 913,500            | 510,000 | 403,500        | 18,100            | 14,900 | 3,200          | 7,203,119  | 7,028,980          | 174,130           |
| 1949 <sup>6</sup>   | 1,025,100                            | 588,800 | 436,300        | 988,800            | 556,600 | 432,200        | 36,300            | 32,200 | 4,100          | 7,702,971  | 7,374,269          | 328,702           |
| 1948: First quarter | 180,000                              | 103,000 | 77,000         | 177,700            | 100,800 | 76,900         | 2,300             | 2,200  | 100            | 1,315,287  | 1,296,612          | 18,675            |
| January             | 63,500                               | 30,800  | 52,500         | 29,800             | 22,700  | 1,000          | 1,000             | 0      | 0              | 383,634  | 374,984            | 8,650             |
| February            | 50,100                               | 21,000  | 48,900         | 28,000             | 20,900  | 1,200          | 1,200             | 0      | 0              | 368,985  | 359,420            | 9,565             |
| March               | 76,400                               | 43,100  | 33,300         | 76,300             | 43,000  | 33,300         | 100               | 100    | 0              | 562,668  | 562,208            | 460               |
| Second quarter      | 297,600                              | 166,100 | 131,500        | 295,900            | 164,600 | 129,300        | 3,700             | 1,500  | 2,200          | 2,287,624  | 2,252,961          | 34,663            |
| April               | 99,500                               | 55,000  | 44,500         | 98,100             | 54,600  | 43,500         | 1,400             | 400    | 1,000          | 748,976  | 738,186            | 12,790            |
| May                 | 101,900                              | 56,700  | 45,200         | 99,500             | 54,900  | 43,700         | 1,400             | 600    | 800            | 769,369  | 758,678            | 10,734            |
| June                | 97,800                               | 54,400  | 44,400         | 96,300             | 53,900  | 42,700         | 1,200             | 600    | 600            | 769,279  | 758,146            | 11,926            |
| Third quarter       | 264,000                              | 144,200 | 119,800        | 259,300            | 140,100 | 119,800        | 4,700             | 1,400  | 600            | 2,185,770  | 2,155,770          | 47,726            |
| July                | 95,000                               | 52,200  | 42,800         | 93,700             | 51,000  | 42,700         | 1,300             | 1,200  | 100            | 738,977  | 738,659            | 12,318            |
| August              | 86,700                               | 47,700  | 39,000         | 85,100             | 46,600  | 38,500         | 1,600             | 1,500  | 100            | 720,522  | 703,066            | 17,457            |
| September           | 82,300                               | 44,300  | 38,000         | 80,500             | 42,500  | 38,000         | 1,800             | 1,800  | 0              | 641,996  | 624,045            | 17,951            |
| Fourth quarter      | 190,000                              | 111,600 | 78,400         | 182,600            | 104,500 | 78,100         | 7,400             | 7,100  | 300            | 1,486,712  | 1,413,637          | 73,075            |
| October             | 73,400                               | 41,300  | 32,100         | 71,900             | 39,800  | 32,100         | 1,500             | 1,500  | 0              | 573,950  | 560,347            | 13,603            |
| November            | 63,700                               | 38,100  | 25,600         | 61,300             | 35,800  | 25,500         | 2,400             | 2,300  | 100            | 498,294  | 471,336            | 26,960            |
| December            | 52,900                               | 32,200  | 26,700         | 49,400             | 28,900  | 20,500         | 3,500             | 3,300  | 200            | 414,466  | 381,954            | 32,512            |
| 1949: First quarter | 169,800                              | 94,200  | 75,600         | 150,400            | 84,100  | 73,300         | 10,400            | 10,100 | 300            | 1,287,228  | 1,189,640          | 97,588            |
| January             | 50,000                               | 29,500  | 20,500         | 46,300             | 25,800  | 20,500         | 3,700             | 3,700  | 0              | 374,020  | 340,973            | 33,047            |
| February            | 50,400                               | 28,000  | 22,400         | 47,800             | 25,500  | 22,300         | 2,600             | 2,500  | 100            | 382,778  | 357,270            | 25,508            |
| March               | 69,400                               | 36,700  | 32,700         | 65,300             | 32,800  | 32,500         | 4,100             | 3,900  | 200            | 530,430  | 491,397            | 39,033            |
| Second quarter      | 279,200                              | 157,300 | 121,900        | 267,200            | 147,800 | 119,400        | 12,000            | 9,500  | 2,500          | 2,120,637  | 2,007,563          | 113,074           |
| April               | 88,300                               | 49,500  | 45,600         | 85,000             | 46,700  | 38,500         | 3,300             | 3,200  | 0              | 666,968  | 637,170            | 29,799            |
| May                 | 95,400                               | 53,900  | 41,500         | 91,200             | 50,600  | 40,600         | 4,200             | 3,300  | 900            | 733,967  | 692,063            | 41,904            |
| June                | 95,500                               | 53,900  | 41,600         | 91,000             | 50,800  | 40,500         | 4,500             | 3,400  | 1,000          | 719,701  | 678,330            | 41,371            |
| Third quarter       | 298,000                              | 171,600 | 126,400        | 289,900            | 164,400 | 125,400        | 8,100             | 7,100  | 1,000          | 2,222,103  | 2,153,937          | 68,166            |
| July                | 96,100                               | 53,300  | 42,800         | 92,700             | 50,100  | 42,600         | 3,400             | 3,200  | 200            | 710,341  | 682,963            | 27,478            |
| August              | 99,900                               | 55,900  | 43,600         | 96,300             | 54,200  | 42,200         | 1,600             | 1,500  | 100            | 743,573  | 722,251            | 21,181            |
| September           | 102,900                              | 62,100  | 40,500         | 100,600            | 60,100  | 40,500         | 2,300             | 2,300  | 0              | 768,373  | 746,266            | 19,507            |
| Fourth quarter      | 278,100                              | 165,700 | 112,400        | 272,300            | 160,200 | 112,100        | 5,800             | 5,500  | 300            | 2,023,003  | 1,933,674          | 49,874            |
| October             | 104,300                              | 60,000  | 44,300         | 101,900            | 57,700  | 44,200         | 2,400             | 2,300  | 100            | 776,674  | 756,712            | 19,942            |
| November            | 95,500                               | 56,700  | 38,800         | 93,400             | 54,700  | 38,700         | 2,100             | 2,000  | 100            | 729,097  | 704,220            | 18,877            |
| December            | 78,300                               | 49,000  | 29,300         | 77,000             | 47,800  | 29,200         | 1,300             | 1,200  | 100            | 573,232  | 562,197            | 11,035            |
| 1950: First quarter | 278,900                              | 167,800 | 111,100        | 276,100            | 165,600 | 110,500        | 2,800             | 2,200  | 600            | 2,162,630  | 2,138,565          | 24,071            |
| January             | 78,700                               | 48,200  | 30,500         | 77,800             | 47,300  | 30,500         | 900               | 900    | 0              | 580,997  | 581,497            | 8,500             |
| February            | 82,900                               | 51,000  | 31,900         | 82,300             | 50,800  | 31,500         | 600               | 200    | 400            | 637,753  | 632,690            | 5,063             |
| March               | 117,300                              | 68,600  | 48,700         | 116,000            | 67,500  | 48,500         | 1,300             | 1,100  | 200            | 934,886  | 924,378            | 10,508            |
| Second quarter      | 426,800                              | 247,000 | 179,800        | 420,700            | 241,500 | 179,200        | 6,100             | 5,500  | 600            | 3,564,158  | 3,511,204          | 52,954            |
| April               | 133,400                              | 78,800  | 54,600         | 131,300            | 77,000  | 54,300         | 2,100             | 1,800  | 300            | 1,093,920  | 1,075,644          | 18,276            |
| May                 | 149,100                              | 85,500  | 63,600         | 145,800            | 82,300  | 63,500         | 3,300             | 2,200  | 100            | 1,233,672  | 1,204,978          | 28,694            |
| June <sup>7</sup>   | 144,300                              | 82,700  | 61,000         | 143,600            | 82,200  | 61,400         | 700               | 500    | 200            | 1,236,566  | 1,230,582          | 5,984             |
| Third quarter       | 144,000                              | (9)     | (9)            | 139,500            | (9)     | (9)            | 4,500             | (9)    | (9)            | 1,225,970  | 1,184,475          | 41,495            |
| July                | 141,000                              | (9)     | (9)            | 136,900            | (9)     | (9)            | 4,100             | (9)    | (9)            | 1,240,321  | 1,204,895          | 35,426            |

<sup>1</sup> The estimates shown here do not include temporary units, conversions, dormitory accommodations, trailers, or military barracks. They do include prefabricated housing units.

<sup>2</sup> These estimates are based on building-permit records, which, beginning with 1945, have been adjusted for lapsed permits and for lag between permit issuance and start of construction. They are based also on reports of Federal construction contract awards and beginning in 1946 on field surveys in nonpermit-issuing places. The data in this table refer to nonfarm dwelling units started, and not to urban dwelling units authorized, as shown in table F-3.

<sup>3</sup> All of these estimates contain some error. For example, if the estimate of nonfarm starts is 50,000, the chances are about 19 out of 20 that an actual enumeration would produce a figure between 48,000 and 52,000.

<sup>3</sup> Private construction costs are based on permit valuation, adjusted for understatement of costs shown on permit applications. Public construction costs are based on contract values or estimated construction costs for individual projects.

<sup>4</sup> Depression low year.

<sup>5</sup> Recovery peak year prior to wartime limitations.

<sup>6</sup> Last full year under wartime control.

<sup>7</sup> Housing peak year.

<sup>8</sup> Less than 50 units.

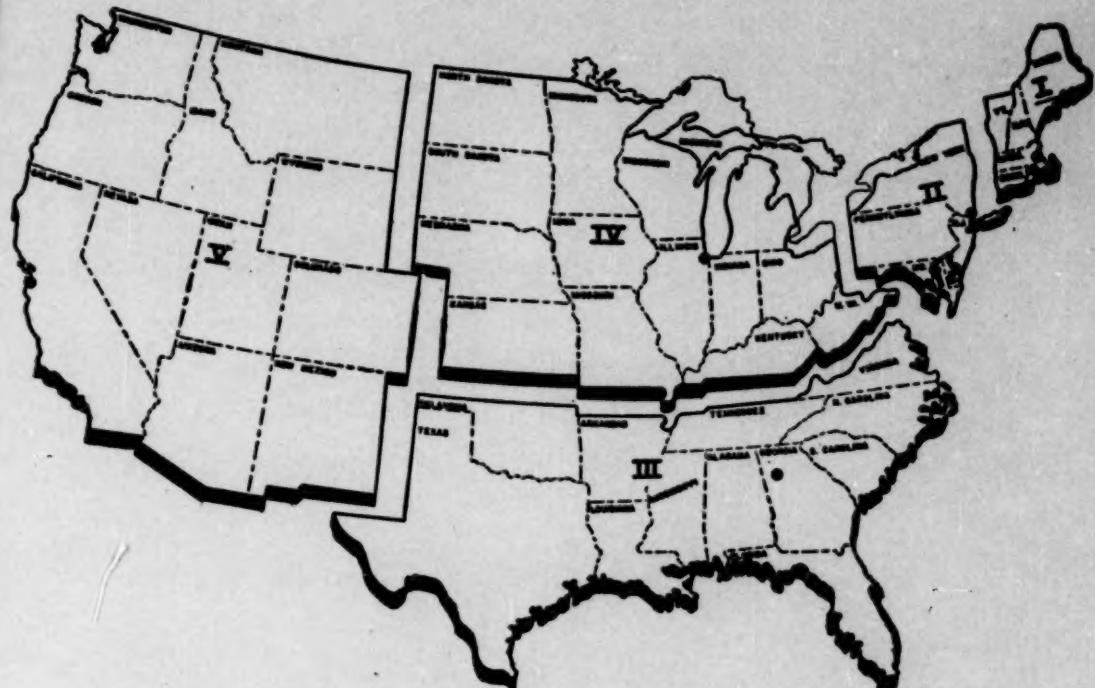
<sup>9</sup> Revised.

<sup>10</sup> Not available.

<sup>11</sup> Preliminary.



## Bureau of Labor Statistics Regional Offices



WALTER KEIM, Chief, Office of Field Service

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